

Prof. Dr. MEHMET TEVFİK ZEYREK

Kişisel Bilgiler

Fax Telefonu: [+90 312 210 1105](tel:+903122101105)

E-posta: zeyrek@metu.edu.tr

Web: <http://www.physics.metu.edu.tr/People/MehmetZeyrek>

Posta Adresi: Rektörlük ODTÜ 06800 Ankara

Uluslararası Araştırmacı ID'leri

ScholarID: qeDGaFIAAAAJ

ORCID: 0000-0002-9270-7403

Publons / Web Of Science ResearcherID: ABA-7235-2020

ScopusID: 6701455465

Yoksis Araştırmacı ID: 5268

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 1985 - 1991

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 1982 - 1985

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1977 - 1982

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Fizik, Temel Parçacıklar ve Alanlar , Genel alan ve parçacık teorisi, Özel parçacıkların özellikleri, Özel reaksiyonlar ve fenomenoloji, Özel teoriler ve etkileşme modelleri, parçacık sistematığı, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2003 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1998 - 2003

Doç. Dr., Texas Tech University, College of Arts and Sciences, Physics and Astronomy, 2001 - 2002

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1996 - 1998

Öğretim Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1993 - 1996

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1982 - 1993

Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, 2016 - Devam Ediyor

Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2012 - 2016

Bölüm Başkan Yardımcısı, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2012

Yönetilen Tezler

- ZEYREK M. T., Cross-section measurements of SC-43 and V-48 radioisotopes produced via Bern medical cyclotron, Yüksek Lisans, G.SÖKMEN(Öğrenci), 2017
- ZEYREK M. T., Measurements of standard model heavy particle production in association with jets using proton-proton collision data at 8 and 13 TeV with the CMS experiment at the LHC, Doktora, B.BİLİN(Öğrenci), 2017
- ZEYREK M. T., Search for supersymmetry (SUSY) with topological variables at the LHC, Yüksek Lisans, M.ÜNAL(Öğrenci), 2015
- ZEYREK M. T., Measurement of neutron background in Kuo-Sheng neutrino laboratory, Yüksek Lisans, İ.OZAN(Öğrenci), 2012
- ZEYREK M. T., Measurement of the cross section ratio $\sigma(\text{chic2})/\sigma(\text{chic1})$ for prompt chic production with CMS experiment, Doktora, I.VASİLEVA(Öğrenci), 2012
- ZEYREK M. T., SERİN M., Search for Z' via forward backward asymmetry in dielectron channel with the CMS detector at the large hadron collider, Yüksek Lisans, M.ÖZGÜR(Öğrenci), 2012
- ZEYREK M. T., CMS deneyinde anlık Chic üretiminde $\sigma(Xc_2)/\sigma(Xc_1)$ tesir kesit oranı ölçümü., Doktora, I.Vasileva(Öğrenci), 2012
- ZEYREK M. T., Production of Z+jet and HF jet energy scale calibration at 7 TeV in the CMS experiment at LHC, Yüksek Lisans, B.BİLİN(Öğrenci), 2011
- ZEYREK M. T., QCD toplama kuralları çerçevesinde B mezonunun yarı leptonik K1(1270, 1400) geçişlerinin incelenmesi, Doktora, H.Dağ(Öğrenci), 2010
- ZEYREK M. T., Investigating the semileptonic B TO K1(1270; 1400) decays in QCD sum rules, Doktora, H.DAĞ(Öğrenci), 2010
- ZEYREK M. T., Study on non standard interaction of neutrino and unparticle physics with neutrino-electron scattering data at low energy in texono experiment, Yüksek Lisans, S.BİLMİŞ(Öğrenci), 2010
- ZEYREK M. T., Production of scalars at electron colliders in the context of the littlest Higgs model, Doktora, A.ÇAĞIL(Öğrenci), 2009
- ZEYREK M. T., Küçük higgs modelinde ağır skalarların elektron çarpıştırıcılarında üretilmesi., Doktora, A.Çağıl(Öğrenci), 2009
- ZEYREK M. T., Search for scalar and tensor unparticles in the diphoton final state in CMS experiment at the LHC, Yüksek Lisans, I.VASİLEVA(Öğrenci), 2009
- ZEYREK M. T., Supersymmetry with heavy scalars at the LHC, Doktora, S.SEKMEN(Öğrenci), 2008
- ZEYREK M. T., Search for a standard model Higgs boson in CMS via vector boson fusion in the H->WW->lvlv channel and optimization of energy reconstruction in CMS using test beam 2006 data, Doktora, E.YAZGAN(Öğrenci), 2007
- ZEYREK M. T., CMS'te vektör bozon füzyonu ile oluşan H-WW-lvlv kanalında arayış ve 2006 test hüzmesi ile CMS'te enerji kurulumunun optimizasyonu., Doktora, E.Yazgan(Öğrenci), 2007
- ZEYREK M. T., Higgs formation at the black hole decays at Large Hadron Collider, Yüksek Lisans, S.SEKMEN(Öğrenci), 2003
- ZEYREK M. T., Observing higgs in weak boson fusion with forward jet tagging at the CERN CMS experiment, Doktora, H.DURAN(Öğrenci), 2002
- ZEYREK M. T., Search for H-ZZ-IIjj in vector boson fusion at CMS experiment at the large hadron collider, Yüksek Lisans, E.ÖZKAPICI(Öğrenci), 2001

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Observation of electroweak production of W gamma with two jets in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.811, 2020 (SCI-Expanded)
- II. **Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in**

proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.12, 2020 (SCI-Expanded)

- III. **Dependence of inclusive jet production on the anti-k(T) distance parameter in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.12, 2020 (SCI-Expanded)
- IV. **Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ with the CMS and TOTEM experiments**
Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Valle A. E. D., et al.
European Physical Journal C, cilt.80, sa.12, 2020 (SCI-Expanded)
- V. **Search for decays of the 125 GeV Higgs boson into a Z boson and a rho or phi meson**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.11, 2020 (SCI-Expanded)
- VI. **Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at root s(NN)=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.125, sa.10, 2020 (SCI-Expanded)
- VII. **Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.7, 2020 (SCI-Expanded)
- VIII. **Measurement of $t(\bar{t})$ over-bar normalised multi-differential cross sections in pp collisions at root s=13 TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.80, sa.7, 2020 (SCI-Expanded)
- IX. **Determination of the strong coupling constant $\alpha(S)(m(Z))$ from measurements of inclusive W- +/- and Z boson production cross sections in proton-proton collisions at root s=7 and 8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.6, 2020 (SCI-Expanded)
- X. **Strange hadron production in pp and pPb collisions at root(NN)-N-s=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW C, cilt.101, sa.6, 2020 (SCI-Expanded)
- XI. **Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF INSTRUMENTATION, cilt.15, sa.6, 2020 (SCI-Expanded)
- XII. **Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13\text{TeV}$**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del

- Valle A. E., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.80, sa.5, 2020 (SCI-Expanded)
- XIII. **Study of J/ψ meson production inside jets in pp collisions at $\sqrt{s}=8$ TeV** The CM Collaboration
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.804, 2020 (SCI-Expanded)
- XIV. **Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.5, 2020 (SCI-Expanded)
- XV. **Experimental study of different silicon sensor options for the upgrade of the CMS Outer Tracker**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
JOURNAL OF INSTRUMENTATION, cilt.15, sa.4, 2020 (SCI-Expanded)
- XVI. **Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.3, 2020 (SCI-Expanded)
- XVII. **A multi-dimensional search for new heavy resonances decaying to boosted WW , WZ , or ZZ boson pairs in the dijet final state at 13 TeV**
Sirunyan A., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Del Valle A. E., Flechl M., et al.
European Physical Journal C, cilt.80, sa.3, 2020 (SCI-Expanded)
- XVIII. **Observation of the $\Lambda(0)(b) \rightarrow J/\psi \Lambda \phi$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.802, 2020 (SCI-Expanded)
- XIX. **Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.3, 2020 (SCI-Expanded)
- XX. **Measurement of the top quark pair production cross section in dilepton final states containing one tau lepton in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2020, sa.2, 2020 (SCI-Expanded)
- XXI. **Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.801, 2020 (SCI-Expanded)
- XXII. **Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Escalante Del Valle A., et al.
European Physical Journal C, cilt.80, sa.1, 2020 (SCI-Expanded)
- XXIII. **Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroë J., Del

- Valle A. E., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.80, sa.1, 2020 (SCI-Expanded)
- XXIV. **Multiparticle correlation studies in pPb collisions at $\sqrt{s(NN)}=8.16$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW C, cilt.101, sa.1, 2020 (SCI-Expanded)
- XXV. **Observation of nuclear modifications in $W^{+/-}$ boson production in pPb collisions at $\sqrt{s(NN)}=8.16$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.800, 2020 (SCI-Expanded)
- XXVI. **Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.800, 2020 (SCI-Expanded)
- XXVII. **Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.800, 2020 (SCI-Expanded)
- XXVIII. **Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.799, 2019 (SCI-Expanded)
- XXIX. **Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.123, sa.23, 2019 (SCI-Expanded)
- XXX. **Probing the chiral magnetic wave in pPb and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV using charge-dependent azimuthal anisotropies**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW C, cilt.100, sa.6, 2019 (SCI-Expanded)
- XXXI. **Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to tau lepton pairs**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.100, sa.11, 2019 (SCI-Expanded)
- XXXII. **The Belle II physics book**
Kou E., Urquijo P., Altmannshofer W., Beaujean F., Bell G., Beneke M., Bigi I. I., Bishara F., Blanke M., Bobeth C., et al.
Progress of Theoretical and Experimental Physics, cilt.2019, sa.12, 2019 (SCI-Expanded)
- XXXIII. **Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.11, 2019 (SCI-Expanded)
- XXXIV. **Search for the production of four top quarks in the single -lepton and opposite -sign dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.11, 2019 (SCI-Expanded)

- XXXV. **Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.798, 2019 (SCI-Expanded)
- XXXVI. **Search for new physics in top quark production in dilepton final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.79, sa.11, 2019 (SCI-Expanded)
- XXXVII. **Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.79, sa.11, 2019 (SCI-Expanded)
- XXXVIII. **Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.10, 2019 (SCI-Expanded)
- XXXIX. **Search for resonances decaying to a pair of Higgs bosons in the $b(b)\overline{b}(q)\overline{b}$ final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.10, 2019 (SCI-Expanded)
- XL. **Charged-particle angular correlations in XeXe collisions at root s(NN)=5.44 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW C, cilt.100, sa.4, 2019 (SCI-Expanded)
- XLI. **Measurement of the top quark polarization and $t(t)\overline{b}$ spin correlations using dilepton final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.100, sa.7, 2019 (SCI-Expanded)
- XLII. **Measurement of the top quark Yukawa coupling from $t(t)\overline{b}$ kinematic distributions in the lepton plus jets final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.100, sa.7, 2019 (SCI-Expanded)
- XLIII. **Measurement of B-s(0) meson production in pp and PbPb collisions at root S-NN=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.796, ss.168-190, 2019 (SCI-Expanded)
- XLIV. **A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.796, ss.131-154, 2019 (SCI-Expanded)
- XLV. **Search for vectorlike leptons in multilepton final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del

Valle A. E., et al.

PHYSICAL REVIEW D, cilt.100, sa.5, 2019 (SCI-Expanded)

- XLVI. **Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.795, ss.76-99, 2019 (SCI-Expanded)
- XLVII. **Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.795, ss.398-423, 2019 (SCI-Expanded)
- XLVIII. **Measurement of electroweak WZ boson production and search for new physics in WZ plus two jets events in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.795, ss.281-307, 2019 (SCI-Expanded)
- XLIX. **Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.8, 2019 (SCI-Expanded)
- L. **Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW C, cilt.100, sa.2, 2019 (SCI-Expanded)
- LII. **Studies of Beauty Suppression via Nonprompt D-0 Mesons in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW LETTERS, cilt.123, 2019 (SCI-Expanded)
- LIII. **Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^- \nu(\tau)$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.7, 2019 (SCI-Expanded)
- LIV. **Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF INSTRUMENTATION, cilt.14, 2019 (SCI-Expanded)
- LIV. **Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.6, 2019 (SCI-Expanded)
- LV. **Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.

PHYSICAL REVIEW D, cilt.99, sa.11, 2019 (SCI-Expanded)

LVI. Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICS LETTERS B, cilt.793, ss.520-551, 2019 (SCI-Expanded)

LVII. Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at=13 TeV via Higgs boson decays to leptons

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.6, 2019 (SCI-Expanded)

LVIII. An embedding technique to determine tau tau backgrounds in proton-proton collision data

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF INSTRUMENTATION, cilt.14, 2019 (SCI-Expanded)

LIX. Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at root s=8 and 13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICS LETTERS B, cilt.793, ss.320-347, 2019 (SCI-Expanded)

LX. Measurement of inclusive very forward jet cross sections in proton-lead collisions at p sNN=5:02 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.5, 2019 (SCI-Expanded)

LXI. Combinations of single-top-quark production cross-section measurements and vertical bar f(LV)V(tb)vertical bar determinations at root s=7 and 8 TeV with the ATLAS and CMS experiments

Aaboud M., Aad G., Abbott B., Abbott D. C., Abidinov O., Abud A. A., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.5, 2019 (SCI-Expanded)

LXII. Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.79, sa.5, 2019 (SCI-Expanded)

LXIII. Search for a W ' boson decaying to a tau lepton and a neutrino in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.792, ss.107-131, 2019 (SCI-Expanded)

LXIV. Search for a low-mass tau(-)tau(+) resonance in association with a bottom quark in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Escalante Del Valle A., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.5, 2019 (SCI-Expanded)

LXV. Search for an L-mu - L-tau gauge boson using Z -> 4 mu events in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.

PHYSICS LETTERS B, cilt.792, ss.345-368, 2019 (SCI-Expanded)

LXVI. Search for associated production of a Higgs boson and a single top quark in proton-proton

collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW D, cilt.99, sa.9, 2019 (SCI-Expanded)

LXXVII. Measurement and interpretation of differential cross sections for Higgs boson production at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Escalante Del Valle A., et al.

PHYSICS LETTERS B, cilt.792, ss.369-396, 2019 (SCI-Expanded)

LXXVIII. Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at root $S_{NN}=5.02$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.

PHYSICAL REVIEW LETTERS, cilt.122, sa.15, 2019 (SCI-Expanded)

LXXIX. Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICS LETTERS B, cilt.791, ss.96-129, 2019 (SCI-Expanded)

LXX. Search for excited leptons in final states in proton-proton collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.4, 2019 (SCI-Expanded)

LXXI. Search for nonresonant Higgs boson pair production in the $b(b)$ over-bar $b(b)$ over-bar final state at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.4, 2019 (SCI-Expanded)

LXXII. Measurements of the pp WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.4, 2019 (SCI-Expanded)

LXXIII. Search for resonant $t(t)$ over-bar production in proton-proton collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.4, 2019 (SCI-Expanded)

LXXIV. Search for W Boson Decays to Three Charged Pions

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICAL REVIEW LETTERS, cilt.122, sa.15, 2019 (SCI-Expanded)

LXXV. Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.4, 2019 (SCI-Expanded)

LXXVI. Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at root $s=13$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICAL REVIEW LETTERS, cilt.122, sa.13, 2019 (SCI-Expanded)

LXXVII. Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at root

$s(\text{NN})=8.16$ TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICS LETTERS B, cilt.791, ss.172-194, 2019 (SCI-Expanded)

LXXVIII. Search for Narrow H gamma Resonances in Proton-Proton Collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICAL REVIEW LETTERS, cilt.122, sa.8, 2019 (SCI-Expanded)

LXXIX. Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

PHYSICAL REVIEW LETTERS, cilt.122, sa.12, 2019 (SCI-Expanded)

LXXX. Search for supersymmetric partners of electrons and muons in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.790, ss.140-166, 2019 (SCI-Expanded)

LXXXI. Search for $t(\bar{t})\text{over-bar}H$ production in the $H \rightarrow b(\bar{b})\text{over-bar}$ decay channel with leptonic $t(\bar{t})\text{over-bar}$ decays in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)

LXXXII. Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton plus jets final state in pp collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.79, sa.3, 2019 (SCI-Expanded)

LXXXIII. Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)

LXXXIV. Search for the pair production of light top squarks in the $e(+/-)\mu(-/+)$ final state in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)

LXXXV. Inclusive search for supersymmetry in pp collisions at root s=13 TeV using razor variables and boosted object identification in zero and one lepton final states

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Escalante Del Valle A., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)

LXXXVI. Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)

LXXXVII. Measurement of nuclear modification factors of $\gamma(1S)$, $\gamma(2S)$, and $\gamma(3S)$ mesons in PbPb collisions at root s(NN)=5.02 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic

- M., Eroe J., et al.
PHYSICS LETTERS B, cilt.790, ss.270-293, 2019 (SCI-Expanded)
- LXXXVIII. **Measurement of prompt $\psi(2S)$ production cross sections in proton-lead and proton-proton collisions at $\sqrt{s(NN)}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.790, ss.509-532, 2019 (SCI-Expanded)
- LXXXIX. **Search for a W boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)
- XC. **Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.5, 2019 (SCI-Expanded)
- XCII. **Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.3, 2019 (SCI-Expanded)
- XCIII. **Search for new particles decaying to a jet and an emerging jet**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.2, 2019 (SCI-Expanded)
- XCIII. **Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s-NN}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.789, ss.643-665, 2019 (SCI-Expanded)
- XCIV. **Measurements of $t(\bar{t})$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.2, 2019 (SCI-Expanded)
- XCV. **Multiparticle correlations and higher order harmonics in pPb collisions at $\sqrt{s(NN)}=8.16$ TeV**
Wang Q., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.375-378, 2019 (SCI-Expanded)
- XCVI. **Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.3, 2019 (SCI-Expanded)
- XCVII. **Measurement of anisotropic flow in XeXe collisions at 5.44 TeV with the CMS experiment**
Stojanovic M., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.395-398, 2019 (SCI-Expanded)
- XCVIII. **Beyond nPDFs effects : Prompt J/ ψ and $\psi(2S)$ production in pPb and pp collisions**
Oh G., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.743-746, 2019 (SCI-Expanded)
- XCIX. **Fragmentation of J/ ψ in jets in pp collisions at $\sqrt{s}=5.02$ TeV Batoul Diab for the CMS**

collaboration

Diab B., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.

NUCLEAR PHYSICS A, cilt.982, ss.186-188, 2019 (SCI-Expanded)

- C. **Search for long-lived particles decaying into displaced jets in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.3, 2019 (SCI-Expanded)
- CI. **Evidence for light-by-light scattering in ultraperipheral PbPb collisions at root S-NN=5.02 TeV**
d'Enterria D., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.791-794, 2019 (SCI-Expanded)
- CII. **Measurement of differential cross sections for Z boson pair production in association with jets at root s=8 and 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.789, ss.19-44, 2019 (SCI-Expanded)
- CIII. **Search for the chiral magnetic effect at the LHC with the CMS experiment**
Tu Z., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.527-530, 2019 (SCI-Expanded)
- CIV. **D-0-Meson R-AA in PbPb Collisions at root s(NN)=5.02 TeV and Elliptic Flow in pPb Collisions at root s(NN)=8.16 TeV with CMS**
Shi Z., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.647-650, 2019 (SCI-Expanded)
- CV. **Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.2, 2019 (SCI-Expanded)
- CVI. **Search for Higgs boson pair production in the gamma gamma b(b)over-bar final state in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.788, ss.7-36, 2019 (SCI-Expanded)
- CVII. **Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CVIII. **Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CIX. **Search for Dark Matter Particles Produced in Association with a Top Quark Pair at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.122, sa.1, 2019 (SCI-Expanded)

- CX. **Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at root s 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CXI. **Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at root s = TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CXII. **Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.2019, sa.1, 2019 (SCI-Expanded)
- CXIII. **Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.1, 2019 (SCI-Expanded)
- CXIV. **Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.122, sa.2, 2019 (SCI-Expanded)
- CXV. **Search for pair-produced three-jet resonances in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.1, 2019 (SCI-Expanded)
- CXVI. **Event shape variables measured using multijet final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2018 (SCI-Expanded)
- CXVII. **Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at root s(NN)=5.02 TeV Using Isolated Photon-Tagged Jets**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.24, 2018 (SCI-Expanded)
- CXVIII. **Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.98, sa.11, 2018 (SCI-Expanded)
- CXIX. **Angular analysis of the decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ in proton-proton collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.98, sa.11, 2018 (SCI-Expanded)
- CXX. **Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., et al.

- PHYSICAL REVIEW LETTERS, cilt.121, sa.24, 2018 (SCI-Expanded)
- CXXI. **Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.98, sa.9, 2018 (SCI-Expanded)
- CXXII. **Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXIII. **Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.98, sa.9, 2018 (SCI-Expanded)
- CXXIV. **Search for supersymmetry in events with a tau lepton pair and missing transverse momentum in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXV. **Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXVI. **Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions a root s=13 TeVt**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXVII. **Measurement of jet substructure observables in t(t)over-bar events from proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.98, sa.9, 2018 (SCI-Expanded)
- CXXVIII. **Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.22, 2018 (SCI-Expanded)
- CXXIX. **Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXX. **Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at root 8 and 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)

- CXXXI. **Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXXII. **Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at root s=8TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXXIII. **Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two tau leptons in proton-proton collisions at TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXXIV. **Search for the decay of a Higgs boson in the ll gamma channel in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- CXXXV. **Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.14, 2018 (SCI-Expanded)
- CXXXVI. **Observation of the Z -> psi l(+)l(-) Decay in pp Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.14, 2018 (SCI-Expanded)
- CXXXVII. **Performance of reconstruction and identification of tau leptons decaying to hadrons and nu(tau) in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)
- CXXXVIII. **Study of jet quenching with isolated-photon plus jet correlations in PbPb and pp collisions at root s(NN)=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.785, ss.14-39, 2018 (SCI-Expanded)
- CXXXIX. **Charged-particle nuclear modification factors in XeXe collisions at root S-NN=5.44 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2018 (SCI-Expanded)
- CXL. **Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two bquarks and two tau leptons in proton-proton collisions at root s=13 TeV The CMS Collaboration**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.785, ss.462-488, 2018 (SCI-Expanded)
- CXLI. **Measurement of the groomed jet mass in PbPb and pp collisions at root s(NN)=5:02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del

Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2018 (SCI-Expanded)

- CXLII. **Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW C, cilt.98, sa.4, 2018 (SCI-Expanded)
- CXLIII. **Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2018 (SCI-Expanded)
- CXLIV. **Precision measurement of the structure of the CMS inner tracking system using nuclear interactions**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)
- CXLV. **Observation of Higgs Boson Decay to Bottom Quarks**
Sirunyan A., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Escalante Del Valle A., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.12, 2018 (SCI-Expanded)
- CXLVI. **Search for Z gamma resonances using leptonic and hadronic final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)
- CXLVII. **Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)
- CXLVIII. **Search for dark matter produced in association with a Higgs boson decaying to gamma gamma or tau(+)tau(-) at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)
- CXLIX. **Search for a heavy resonance decaying into a Z boson and a Z or W boson in 2l2q final states at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)
- CL. **Search for additional neutral MSSM Higgs bosons in the tau tau final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)
- CLI. **Neutron background measurements with a hybrid neutron detector at the Kuo-Sheng Reactor Neutrino Laboratory**
Sonay A., DENİZ M., Wong H. T., Agartioğlu M., Asryan G., Chen J. H., KERMAN S., Li H. B., Li J., Lin F. K., et al.
PHYSICAL REVIEW C, cilt.98, sa.2, 2018 (SCI-Expanded)
- CLII. **Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic

- M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLIII. **Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLIV. **Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.98, sa.3, 2018 (SCI-Expanded)
- CLV. **Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at root s(NN)=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.6, 2018 (SCI-Expanded)
- CLVI. **Search for beyond the standard model Higgs bosons decaying into a b(b)over-bar pair in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLVII. **Search for vector-like T and B quark pairs in final states with leptons at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLVIII. **Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLIX. **Search for R-parity violating supersymmetry in pp collisions at root s=13 TeV using bjets in a final state with a single lepton, many jets, and high sum of large-radius jet masses**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.783, ss.114-139, 2018 (SCI-Expanded)
- CLX. **Observation of the chi(b1)(3P) and chi(b2)(3P) and Measurement of their Masses**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.9, 2018 (SCI-Expanded)
- CLXI. **Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p plus Pb Collisions at root(NN)-N-s=8.16 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.8, 2018 (SCI-Expanded)
- CLXII. **Search for narrow and broad dijet resonances in proton-proton collisions at root s=13 TeV and constraints on dark matter mediators and other new particles**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)
- CLXIII. **Evidence for associated production of a Higgs boson with a top quark pair in final states with**

electrons, muons, and hadronically decaying tau leptons at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2018 (SCI-Expanded)

CLXIV. Search for a heavy resonance decaying into a Z boson and a vector boson in the $v(\bar{v})\bar{q}(q)$ final state

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)

CLXV. Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)

CLXVI. Electroweak production of two jets in association with a Z boson in proton-proton collisions root s =13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.78, sa.7, 2018 (SCI-Expanded)

CLXVII. Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.78, sa.7, 2018 (SCI-Expanded)

CLXVIII. Measurement of the inelastic proton-proton cross section at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)

CLXIX. Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)

CLXX. Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.782, ss.440-467, 2018 (SCI-Expanded)

CLXXI. Search for a singly produced third-generation scalar leptoquark decaying to a tau lepton and a bottom quark in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)

CLXXII. Nuclear modification factor of D-0 mesons in PbPb collisions at root s(NN)=5.02 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.782, ss.474-496, 2018 (SCI-Expanded)

CLXXIII. Search for lepton flavour violating decays of the Higgs boson to mu tau and e tau in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)

- CLXXIV. **Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXV. **Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXVI. **Search for $t(\bar{t})$ production in the all-jet final state in proton-proton collisions root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXVII. **Search for single production of vector-like quarks decaying to a b quark and a Higgs boson**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXVIII. **Observation of $(t\bar{t})$ Production**
Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Escalante Del Valle A., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.23, 2018 (SCI-Expanded)
- CLXXIX. **Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)
- CLXXX. **Measurement of angular parameters from the decay $B^0 \rightarrow K^{*0}\mu^{+}\mu^{-}$ in proton-proton collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.781, ss.517-541, 2018 (SCI-Expanded)
- CLXXXI. **Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.24, 2018 (SCI-Expanded)
- CLXXXII. **Bose-Einstein correlations in pp, pPb, and PbPb collisions at root s(NN)=0.9-7 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW C, cilt.97, sa.6, 2018 (SCI-Expanded)
- CLXXXIII. **Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton plus jets events from pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.97, sa.11, 2018 (SCI-Expanded)
- CLXXXIV. **Search for high-mass resonances in final states with a lepton and missing transverse momentum at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXXV. **Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.781, ss.244-269, 2018 (SCI-Expanded)
- CLXXXVI. **Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXXVII. **Search for single production of a vector- like T quark decaying to a Z boson and a top quark in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.781, ss.574-600, 2018 (SCI-Expanded)
- :LXXXVIII. **Search for high-mass resonances in dilepton final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CLXXXIX. **Search for excited quarks of light and heavy flavor in gamma plus jet final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.781, ss.390-411, 2018 (SCI-Expanded)
- CXC. **Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- CXCI. **Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at ,root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.780, ss.118-143, 2018 (SCI-Expanded)
- CXCII. **Measurement of Prompt D-0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at root S-NN=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.20, 2018 (SCI-Expanded)
- CXCIII. **Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Collaboration C. M. S., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.22, 2018 (SCI-Expanded)
- CXCIV. **Evidence for the Higgs boson decay to a bottom quark-antiquark pair**
Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
PHYSICS LETTERS B, cilt.780, ss.501-532, 2018 (SCI-Expanded)
- CXCV. **Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at root s=13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW D, cilt.97, sa.9, 2018 (SCI-Expanded)

CXCVI. Search for natural and split supersymmetry in proton-proton collisions at root s=13 TeV in final states with jets and missing transverse momentum

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2018 (SCI-Expanded)

CXCVII. Measurement of quarkonium production cross sections in pp collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.780, ss.251-272, 2018 (SCI-Expanded)

CXCVIII. Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.780, ss.384-409, 2018 (SCI-Expanded)

CXCIX. Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets root s at=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2018 (SCI-Expanded)

CC. Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at root s=8 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW LETTERS, cilt.120, sa.20, 2018 (SCI-Expanded)

CCI. Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2018 (SCI-Expanded)

CCII. Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Drag-icevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2018 (SCI-Expanded)

CCIII. Jet properties in PbPb and pp collisions at root S-NN=5.02 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2018 (SCI-Expanded)

CCIV. Search for the X(5568) State Decaying into B-s(0)pi(+/-) in Proton-Proton Collisions at root s=8 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW LETTERS, cilt.120, sa.20, 2018 (SCI-Expanded)

CCV. Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV

Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.

JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)

- CCVI. **Search for new long-lived particles at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.780, ss.432-454, 2018 (SCI-Expanded)
- CCVII. **Measurement of the associated production of a single top quark and a Z boson in pp collisions at, root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.779, ss.358-384, 2018 (SCI-Expanded)
- CCVIII. **Measurement of the Splitting Function in \sqrt{s} and Pb-Pb Collisions at $\sqrt{s}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.14, 2018 (SCI-Expanded)
- CCIX. **Search for pair production of vector-like quarks in the $b\bar{W}(b)$ channel from proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.779, ss.82-106, 2018 (SCI-Expanded)
- CCX. **Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\mu$ final states in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2018 (SCI-Expanded)
- CCXI. **Measurement of normalized differential $t(\bar{t})$ cross sections in the dilepton channel from pp collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2018 (SCI-Expanded)
- CCXII. **Search for massive resonances decaying into WW , WZ , ZZ , qW , and qZ with dijet final states at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.97, sa.7, 2018 (SCI-Expanded)
- CCXIII. **Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW C, cilt.97, sa.4, 2018 (SCI-Expanded)
- CCXIV. **Search for vectorlike light-flavor quark partners in proton-proton collisions at root $s=8$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICAL REVIEW D, cilt.97, sa.7, 2018 (SCI-Expanded)
- CCXV. **Observation of the Higgs boson decay to a pair of tau leptons with the CMS detector**
Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
PHYSICS LETTERS B, cilt.779, ss.283-316, 2018 (SCI-Expanded)
- CCXVI. **Combination of inclusive and differential $t(\bar{t})$ charge asymmetry measurements using ATLAS and CMS data at root $S=7$ and 8 TeV**
Aaboud M. y., Aad G., Abbott B., Abidinov O., Abeloos B., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., Abreu H., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2018 (SCI-Expanded)
- CCXVII. **Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.779, ss.166-190, 2018 (SCI-Expanded)
- CCXVIII. **Suppression of Excited gamma States Relative to the Ground State in Pb-Pb Collisions at root $s(NN)=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.14, 2018 (SCI-Expanded)
- CCXIX. **Measurement of the Lambda(b) polarization and angular parameters in Lambda(b) \rightarrow J/psi Lambda decays from pp collisions at root $s=7$ and 8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.97, sa.7, 2018 (SCI-Expanded)
- CCXX. **Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)
- CCXXI. **Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$ TeV**
Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., Flechl M., et al.
European Physical Journal C, cilt.78, sa.3, 2018 (SCI-Expanded)
- CCXXII. **Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)
- CCXXIII. **Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.778, ss.263-291, 2018 (SCI-Expanded)
- CCXXIV. **Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at root $s(NN)=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)
- CCXXV. **Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.778, ss.101-127, 2018 (SCI-Expanded)
- CCXXVI. **Search for ZZ resonances in the $2l2\nu$ final state in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)
- CCXXVII. **Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at**

root s=8 TeV

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)

CCXXVIII. Measurement of differential cross sections in the kinematic angular variable ϕ^* for inclusive Z boson production in pp collisions at root s=8 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)

CCXXIX. Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)

CCXXX. Measurement of the inclusive $t(\bar{t})$ cross section in pp collisions root s=5.02 TeV using final states with at least one charged lepton

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2018 (SCI-Expanded)

CCXXXI. Search for pair production of excited top quarks in the lepton plus jets final state The CMS Collaboration

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.778, ss.349-370, 2018 (SCI-Expanded)

CCXXXII. Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW LETTERS, cilt.120, sa.7, 2018 (SCI-Expanded)

CCXXXIII. Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2018 (SCI-Expanded)

CCXXXIV. Search for heavy resonances decaying to a top quark and a bottom quark in the lepton plus jets final state in proton-proton collisions at 13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.777, ss.39-63, 2018 (SCI-Expanded)

CCXXXV. Constraint on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at root s=8TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2018 (SCI-Expanded)

CCXXXVI. Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p plus Pb Collisions at the LHC

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICAL REVIEW LETTERS, cilt.120, sa.9, 2018 (SCI-Expanded)

CCXXXVII. Search for Higgsino pair production in pp collisions at root s=13 TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \rightarrow b(\bar{b})$

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic

- M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.97, sa.3, 2018 (SCI-Expanded)
- :CXXXVIII. **Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.8, 2018 (SCI-Expanded)
- CCXXXIX. **Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.97, sa.3, 2018 (SCI-Expanded)
- CCXL. **Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.78, sa.2, 2018 (SCI-Expanded)
- CCXLI. **Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s(NN)}=5.02$ and 8.16 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2018 (SCI-Expanded)
- CCXLII. **Search for resonant and nonresonant Higgs boson pair production in the $b(b)\overline{b}l\nu l\nu$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2018 (SCI-Expanded)
- CCXLIII. **Measurements of $t(t)\overline{b}$ cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
PHYSICS LETTERS B, cilt.776, ss.355-378, 2018 (SCI-Expanded)
- CCXLIV. **Azimuthal anisotropy of charged particles with transverse momentum up to $100\text{GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
PHYSICS LETTERS B, cilt.776, ss.195-216, 2018 (SCI-Expanded)
- CCXLV. **Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam**
Chatrchyan S., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., Van de Klundert M., Van Haevermaet H., Van Mechelen P., Van Spilbeeck A., et al.
JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)
- CCXLVI. **Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2018 (SCI-Expanded)
- CCXLVII. **Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.97, sa.1, 2018 (SCI-Expanded)
- CCXLVIII. **Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at**

CMS

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW C, cilt.96, sa.6, 2017 (SCI-Expanded)

CCXLIX. **Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at root s=13TeV**

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2017 (SCI-Expanded)

CCL. **Observation of Top Quark Production in Proton-Nucleus Collisions**

Sirunyan A. M., Turnasyan A., Adam W., Arribrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICAL REVIEW LETTERS, cilt.119, sa.24, 2017 (SCI-Expanded)

CCLI. **Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at root s=13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW LETTERS, cilt.119, sa.22, 2017 (SCI-Expanded)

CCLII. **Measurement of charged pion, kaon, and proton production in proton-proton collisions at root s=13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

PHYSICAL REVIEW D, cilt.96, sa.11, 2017 (SCI-Expanded)

CCLIII. **Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at root s=13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.12, 2017 (SCI-Expanded)

CCLIV. **Radioactive source calibration test of the CMS Hadron Endcap Calorimeter test wedge with Phase I upgrade electronics**

Chatrchyan S., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., De Klundert M. V., Van Haeveermaet H., Van Mechelen P., Van Spilbeeck A., et al.

JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)

CCLV. **Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at root s=13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICS LETTERS B, cilt.775, ss.315-337, 2017 (SCI-Expanded)

CCLVI. **Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state**

Sirunyan A. M., Collaboration C. M. S., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.

PHYSICS LETTERS B, cilt.775, ss.1-24, 2017 (SCI-Expanded)

CCLVII. **Measurement of the triple-differential dijet cross section in proton-proton collisions at root s=8 TeV and constraints on parton distribution functions**

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.11, 2017 (SCI-Expanded)

CCLVIII. **Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at root s=8 and 13 TeV**

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J.,

- Flechl M., et al.
PHYSICS LETTERS B, cilt.774, ss.533-558, 2017 (SCI-Expanded)
- CCLIX. **Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.774, ss.682-705, 2017 (SCI-Expanded)
- CCLX. **Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2017 (SCI-Expanded)
- CCLXI. **Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.774, ss.279-307, 2017 (SCI-Expanded)
- CCLXII. **Measurements of the associated production of a Z boson and b jets in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.11, 2017 (SCI-Expanded)
- CCLXIII. **Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2017 (SCI-Expanded)
- CCLXIV. **Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2017 (SCI-Expanded)
- CCLXV. **Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Drag-Icevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2017 (SCI-Expanded)
- CCLXVI. **Measurement of the semileptonic t(t)over-bar plus gamma production cross section in pp collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXVII. **Measurement of the B-+/- Meson Nuclear Modification Factor in Pb-Pb Collisions at root s(NN)=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICAL REVIEW LETTERS, cilt.119, sa.15, 2017 (SCI-Expanded)
- CCLXVIII. **Search for new phenomena with the M-T2 variable in the all-hadronic final state produced in proton-proton collisions at root s=13TeV**
Sirunyan A. M., Tumasyan A., Johnson A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.10, 2017 (SCI-Expanded)

- CCLXIX. **Search for top squark pair production in pp collisions at root s=13 TeV using single lepton events**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXX. **Design and performance of a hybrid fast and thermal neutron detector**
Singh M. K., Sonay A., DENÍZ M., Agartioğlu M., Asryan G., Kumar G. K., Li H. B., Li J., Lin F. K., Lin S. T., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.868, ss.109-118, 2017 (SCI-Expanded)
- CCLXXI. **Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXII. **Search for leptophobic Z ' bosons decaying into four-lepton final states in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.773, ss.563-584, 2017 (SCI-Expanded)
- CCLXXIII. **Search for Higgs boson pair production in the bb tau state in proton-proton collisions at root(s)=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICAL REVIEW D, cilt.96, sa.7, 2017 (SCI-Expanded)
- CCLXXIV. **Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.96, sa.7, 2017 (SCI-Expanded)
- CCLXXV. **Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICAL REVIEW LETTERS, cilt.119, sa.14, 2017 (SCI-Expanded)
- CCLXXVI. **Search for direct production of super symmetric partners of the top quark in the all-jets final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXVII. **Search for Supersymmetry in pp Collisions at root s=13 TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW LETTERS, cilt.119, sa.15, 2017 (SCI-Expanded)
- CCLXXVIII. **Measurements of jet charge with dijet events in pp collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXIX. **Search for associated production of dark matter with a Higgs boson decaying to b(b)over-bar or gamma gamma at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXX. **Measurements of the $pp \rightarrow W \gamma \gamma$ and $pp \rightarrow Z \gamma \gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s}=8$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXXI. **Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2017 (SCI-Expanded)
- CCLXXXII. **Particle-flow reconstruction and global event description with the CMS detector**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- :CLXXXIII. **Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV with the CMS experiment**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.772, ss.489-511, 2017 (SCI-Expanded)
- :CLXXXIV. **Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.9, 2017 (SCI-Expanded)
- CCLXXXV. **Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.336-358, 2017 (SCI-Expanded)
- :CLXXXVI. **Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2017 (SCI-Expanded)
- CLXXXVII. **Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.752-776, 2017 (SCI-Expanded)
- :LXXXVIII. **Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.634-656, 2017 (SCI-Expanded)
- :CLXXXIX. **Measurement of the $t(\bar{t})$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2017 (SCI-Expanded)
- CCXC. **Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio E., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic

- M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.9, 2017 (SCI-Expanded)
- CCXCI. **Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at root s=13TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.9, 2017 (SCI-Expanded)
- CCXCII. **Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at root sNN=5.02TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.306-329, 2017 (SCI-Expanded)
- CCXCIII. **Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.119, sa.11, 2017 (SCI-Expanded)
- CCXCIV. **Search for high-mass Z gamma resonances in proton-proton collisions at root s=8 and 13 TeV using jet substructure techniques**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.363-387, 2017 (SCI-Expanded)
- CCXCV. **Constraints on nonstandard intermediate boson exchange models from neutrino-electron scattering**
Sevda B., Sen A., DEMİRCİ M., DENİZ M., Agartioğlu M., Ajjaq A., KERMAN S., Singh L., Sonay A., Wong H. T., et al.
PHYSICAL REVIEW D, cilt.96, sa.3, 2017 (SCI-Expanded)
- CCXCVI. **Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.771, ss.80-105, 2017 (SCI-Expanded)
- CCXCVII. **Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.96, sa.3, 2017 (SCI-Expanded)
- CCXCVIII. **Measurement of the top quark mass in the dileptonic t(t)over-bar decay channel using the mass observables M-bl, M-T2, and M-blv in pp collisions at root=8 TeV**
Sirunyan A. M., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.96, sa.3, 2017 (SCI-Expanded)
- CCXCIX. **Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2017 (SCI-Expanded)
- CCC. **Measurement of the differential inclusive B+ hadron cross sections in pp collisions at root s=13TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.771, ss.435-456, 2017 (SCI-Expanded)
- CCCI. **Searches for W ' bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13TeV**

- Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.8, ss.1-42, 2017 (SCI-Expanded)
- CCCII. **Study of Jet Quenching with Z plus jet Correlations in Pb-Pb and pp Collisions at root s(NN)=5.02 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 PHYSICAL REVIEW LETTERS, cilt.119, sa.8, 2017 (SCI-Expanded)
- CCCIII. **Search for top quark partners with charge 5/3 in proton-proton collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2017 (SCI-Expanded)
- CCCIV. **Search for t(t)over-bar resonances in highly boosted lepton plus jets and fully hadronic final states in proton-proton collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)
- CCCIV. **Search for new physics with dijet angular distributions in proton-proton collisions at root S = 13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)
- CCCVI. **Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at root s=8 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)
- CCCVII. **Measurement of inclusive jet cross sections in pp and PbPb collisions at root s(NN)=2.76 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 PHYSICAL REVIEW C, cilt.96, sa.1, 2017 (SCI-Expanded)
- CCCVIII. **Measurement of the jet mass in highly boosted t(t)over-bar events from pp collisions at root s=8TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.7, 2017 (SCI-Expanded)
- CCCIX. **Measurement of the cross section for electroweak production of Z gamma in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 PHYSICS LETTERS B, cilt.770, ss.380-402, 2017 (SCI-Expanded)
- CCCX. **Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)
- CCCXI. **Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at root sNN=5.02 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

- PHYSICAL REVIEW C, cilt.96, sa.1, 2017 (SCI-Expanded)
- CCCXII. **Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at root S=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)
- CCCXIII. **Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at root s=13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.96, sa.1, 2017 (SCI-Expanded)
- CCCXIV. **Suppression of gamma(1S), gamma(2S), and gamma(3S) quarkonium states in PbPb collisions at root S-NN=2.76TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.770, ss.357-379, 2017 (SCI-Expanded)
- CCCXV. **Measurement of the mass difference between top quark and antiquark in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.770, ss.50-71, 2017 (SCI-Expanded)
- CCCXVI. **Search for heavy gauge W ' bosons in events with an energetic lepton and large missing transverse momentum at root s=13TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.770, ss.278-301, 2017 (SCI-Expanded)
- CCCXVII. **Measurement of double-differential cross sections for top quark pair production in pp collisions at root s=8 TeV and impact on parton distribution functions**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.7, 2017 (SCI-Expanded)
- CCCXVIII. **Search for dijet resonances in proton-proton collisions at root s=13 TeV and constraints on dark matter and other models**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICS LETTERS B, cilt.769, ss.520-542, 2017 (SCI-Expanded)
- CCCXIX. **Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.769, ss.391-412, 2017 (SCI-Expanded)
- CCCXX. **Measurement of electroweak-induced production of W gamma with two jets in pp collisions at root s=8TeV and constraints on anomalous quartic gauge couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2017 (SCI-Expanded)
- CCCXXI. **Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.768, ss.103-129, 2017 (SCI-Expanded)

- CCCXXII. **Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.768, ss.137-162, 2017 (SCI-Expanded)
- CCCXXIII. **Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2017 (SCI-Expanded)
- CCCXXIV. **Observation of gamma(1S) pair production in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2017 (SCI-Expanded)
- CCCXXV. **Search for narrow resonances in dilepton mass spectra in proton-proton collisions at root s=13 TeV and combination with 8 TeV data**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.768, ss.57-80, 2017 (SCI-Expanded)
- CCCXXVI. **Searches for pair production of third-generation squarks in root s=13 TeV pp collisions**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.5, 2017 (SCI-Expanded)
- CCCXXVII. **A search for new phenomena in pp collisions at root s=13 TeV in final states with missing transverse momentum and at least one jet using the alpha(T) variable**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.5, 2017 (SCI-Expanded)
- CCCXXVIII. **Measurement of the top quark mass using single top quark events in proton-proton collisions at root s=8 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.5, 2017 (SCI-Expanded)
- CCCXXIX. **Measurement of differential cross sections for top quark pair production using the lepton plus jets final state in proton-proton collisions at 13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.95, sa.9, 2017 (SCI-Expanded)
- CCCXXX. **Measurement of the WZ production cross section in pp collisions at root s=7 and 8 TeV and search for anomalous triple gauge couplings at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.4, 2017 (SCI-Expanded)
- CCCXXXI. **Charged-particle nuclear modification factors in PbPb and pPb collisions at root s(NN)=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2017 (SCI-Expanded)
- CCCXXXII. **Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2017 (SCI-Expanded)
- :CCXXXIII. **Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8$ TeV using the $\alpha(T)$ variable**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.767, ss.403-430, 2017 (SCI-Expanded)
- :CCXXXIV. **Mechanical stability of the CMS strip tracker measured with a laser alignment system**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- CCCXXXV. **Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2017 (SCI-Expanded)
- :CCXXXVI. **Suppression and azimuthal anisotropy of prompt and nonprompt J/psi production in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.4, 2017 (SCI-Expanded)
- CCXXXVII. **Relative Modification of Prompt $\psi(2S)$ and J/psi Yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
PHYSICAL REVIEW LETTERS, cilt.118, sa.16, 2017 (SCI-Expanded)
- :CXXXVIII. **Search for electroweak production of charginos in final states with two T leptons in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2017 (SCI-Expanded)
- :CCXXXIX. **Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.767, ss.147-170, 2017 (SCI-Expanded)
- CCCXL. **Measurement of prompt and nonprompt J/psi production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.4, 2017 (SCI-Expanded)
- CCCXLI. **Search for massive resonances decaying in to WW,WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2017 (SCI-Expanded)
- CCCXLII. **Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s}=8$ TeV and cross section ratios to 2.76 and 7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2017 (SCI-Expanded)
- CCCXLIII. **Measurements of differential cross sections for associated production of a W boson and jets in**

proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW D, cilt.95, sa.5, 2017 (SCI-Expanded)

CCCXLIV. Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying tau leptons and two jets in proton-proton collisions at root s=13 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2017 (SCI-Expanded)

CCCXLV. Measurement of the $t(\bar{t})$ production cross section using events in the $e\mu$ final state in pp collisions at root s=13 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.3, 2017 (SCI-Expanded)

CCCXLVI. Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., Flechl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2017 (SCI-Expanded)

CCCXLVII. Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $\sqrt{s}=8$ TeV

Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.

Journal of High Energy Physics, cilt.2017, sa.3, 2017 (SCI-Expanded)

:CCXLVIII. Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW LETTERS, cilt.118, sa.12, 2017 (SCI-Expanded)

CCCXLIX. Constraints on scalar-pseudoscalar and tensorial nonstandard interactions and tensorial unparticle couplings from neutrino-electron scattering

DENÍZ M., Sevda B., KERMAN S., Ajjaq A., Singh L., Wong H. T., ZEYREK M. T.

PHYSICAL REVIEW D, cilt.95, sa.3, 2017 (SCI-Expanded)

CCCL. Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at root s=7 and 8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2017 (SCI-Expanded)

CCCLI. Measurement of the production cross section of a W boson in association with two b jets in pp collisions at root s=8TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.2, 2017 (SCI-Expanded)

CCCLII. Searches for invisible decays of the Higgs boson in pp collisions at root S=7, 8, and 13 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2017 (SCI-Expanded)

CCCLIII. Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at root s=13 TeV

Ruiz Vargas J. C., Battilana C., Malberti M., Pigazzini S., Nardo G. D., Thyssen F., Zanetti M., Fedi G., Giassi A., Grippo M. T., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2017 (SCI-Expanded)

- CCCLIV. **Evidence for collectivity in pp collisions at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.765, ss.193-220, 2017 (SCI-Expanded)
- CCCLV. **Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2017 (SCI-Expanded)
- CCCLVI. **Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2017 (SCI-Expanded)
- CCCLVII. **Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- CCCLVIII. **Inclusive search for supersymmetry using razor variables in pp collisions at root s=13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.95, sa.1, 2017 (SCI-Expanded)
- CCCLIX. **Measurements of the $t(\bar{t})$ production cross section in lepton plus jets final states in pp collisions at 8 and ratio of 8 to 7 cross sections**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.1, ss.1-27, 2017 (SCI-Expanded)
- CCCLX. **The CMS trigger system**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- CCCLXI. **Observation of the decay $B^+ \rightarrow \psi(2S)\phi(1020)K^+$ in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.764, ss.66-86, 2017 (SCI-Expanded)
- CCCLXII. **Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at root s=13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.95, sa.1, 2017 (SCI-Expanded)
- CCCLXIII. **Search for high-mass Z gamma resonances in $e^{(+)}e^{(-)}\gamma$ and $\mu^{(+)}\mu^{(-)}\gamma$ final states in proton-proton collisions at root s=8 and 13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2017 (SCI-Expanded)
- CCCLXIV. **Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.118, sa.2, 2017 (SCI-Expanded)
- CCCLXV. **Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at**

root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW D, cilt.95, sa.1, 2017 (SCI-Expanded)

CCCLXVI. Search for long-lived charged particles in proton-proton collisions at root s=13 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW D, cilt.94, sa.11, 2016 (SCI-Expanded)

CCCLXVII. Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW D, cilt.94, sa.11, 2016 (SCI-Expanded)

CCCLXVIII. Search for dark matter particles in proton-proton collisions at root s = 8 TeV using the razor variables

The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2016 (SCI-Expanded)

CCCLXIX. Measurement of the mass of the top quark in decays with a J/psi meson in pp collisions 8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2016 (SCI-Expanded)

CCCLXX. Searches for R-parity-violating supersymmetry in pp collisions at root s=8 TeV in final states with 0-4 leptons

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICAL REVIEW D, cilt.94, sa.11, 2016 (SCI-Expanded)

CCCLXXI. Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2016 (SCI-Expanded)

CCCLXXII. Measurement of the ZZ production cross section and Z -> l(+)l(-) l '(+)l '(-) branching fraction in pp collisions at root s=13TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.763, ss.280-303, 2016 (SCI-Expanded)

CCCLXXIII. Search for lepton flavour violating decays of the Higgs boson to e tau and e mu in proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

PHYSICS LETTERS B, cilt.763, ss.472-500, 2016 (SCI-Expanded)

CCCLXXIV. Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2016 (SCI-Expanded)

CCCLXXV. Characterization and performance of germanium detectors with sub-keV sensitivities for neutrino and dark matter experiments

Soma A. K., Singh M. K., Singh L., Kumar G. K., Lin F. K., Du Q., Jiang H., Liu S. K., Ma J. L., Sharma V., et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.836, ss.67-82, 2016 (SCI-Expanded)

- :CCLXXVI. **Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2016 (SCI-Expanded)
- CCLXXVII. **Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton plus jets final states produced in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.
PHYSICS LETTERS B, cilt.762, ss.512-534, 2016 (SCI-Expanded)
- :CLXXVIII. **Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2016 (SCI-Expanded)
- :CCLXXIX. **Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter**
Khachatryan V., Sirunyan A., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., Klundert M. V. D., Haevermaet H. V., Mechelen P. V., Spilbeeck A. V., et al.
Journal of Instrumentation, cilt.11, sa.10, 2016 (SCI-Expanded)
- CCCLXXX. **Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV**
The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
Journal of High Energy Physics, cilt.2016, sa.10, 2016 (SCI-Expanded)
- :CCLXXXI. **Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s}=13$ TeV**
The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
Journal of High Energy Physics, cilt.2016, sa.10, 2016 (SCI-Expanded)
- CCLXXXII. **Measurement of the integrated and differential $t(\bar{t})$ production cross sections for high- p_T top quarks in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.
PHYSICAL REVIEW D, cilt.94, sa.7, 2016 (SCI-Expanded)
- :CLXXXIII. **Upsilon (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=7$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.
PHYSICS LETTERS B, cilt.761, ss.31-52, 2016 (SCI-Expanded)
- :CLXXXIV. **Measurements of $t(\bar{t})$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.
PHYSICS LETTERS B, cilt.760, ss.365-386, 2016 (SCI-Expanded)
- CCLXXXV. **Search for s channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV**
The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
Journal of High Energy Physics, cilt.2016, sa.9, 2016 (SCI-Expanded)
- :CLXXXVI. **Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s}=7$ and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroë J., et al.

- PHYSICAL REVIEW D, cilt.94, sa.5, 2016 (SCI-Expanded)
- CLXXXVII. **Search for R-parity violating decays of a top squark in proton-proton collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.760, ss.178-201, 2016 (SCI-Expanded)
- LXXXVIII. **Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.94, sa.5, 2016 (SCI-Expanded)
- CLXXXIX. **Measurement of dijet azimuthal decorrelation in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.10, 2016 (SCI-Expanded)
- CCCXC. **Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2016 (SCI-Expanded)
- CCCXCI. **Measurement of the Z gamma -> nu(nu)over-bar gamma production cross section in pp collisions at root s=8 TeV and limits on anomalous ZZ gamma and Z gamma gamma trilinear gauge boson couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.760, ss.448-468, 2016 (SCI-Expanded)
- CCCXCII. **Study of Z boson production in pPb collisions at root S=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.759, ss.36-57, 2016 (SCI-Expanded)
- CCCXCIII. **Measurement of the t(t)over-bar production cross section in the e mu channel in proton-proton collisions at root s=7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2016 (SCI-Expanded)
- CCCXCIV. **Measurement of the inelastic cross section in proton-lead collisions at root s(NN)=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.759, ss.641-662, 2016 (SCI-Expanded)
- CCCXCV. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.759, ss.479-500, 2016 (SCI-Expanded)
- CCCXCVI. **Search for supersymmetry in pp collisions at root s=13 TeV in the single-lepton final state using the sum of masses of large-radius jets**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2016 (SCI-Expanded)
- CCCXCVII. **Combined search for anomalous pseudoscalar HW couplings in VH(H -> b(b)over-bar) production and H -> VV decay**
Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., Friedl M., Fruhwirth R.,

et al.

PHYSICS LETTERS B, cilt.759, ss.672-696, 2016 (SCI-Expanded)

:CCXCVIII. **Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at root s=8 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)

CCCXCIX. **Evidence for exclusive $\gamma\gamma \rightarrow W(+)\ W(-)$ production and constraints on anomalous quartic gauge couplings in pp collisions at and 8 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2016 (SCI-Expanded)

CD. **Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at root s=7 and 8 TeV**

Aad G., Abbott B., Abdallah J., Abdinov O., Abeloos B., Aben R., AbouZeid O. S., Abraham N. L., Abramowicz H., Abreu H., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2016 (SCI-Expanded)

CDI. **Search for neutral resonances decaying into a Z boson and a pair of b jets or tau leptons**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICS LETTERS B, cilt.759, ss.369-394, 2016 (SCI-Expanded)

CDII. **Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at root s=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2016 (SCI-Expanded)

CDIII. **Measurement of the double-differential inclusive jet cross section in proton-proton collisions at root s=13TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)

CDIV. **Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at root s=8 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICS LETTERS B, cilt.759, ss.9-35, 2016 (SCI-Expanded)

CDV. **Search for new physics in same-sign dilepton events in proton-proton collisions at root s=13 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)

CDVI. **Measurement of the differential cross section and charge asymmetry for inclusive $pp \rightarrow W^{+/-} + X$ production at root s=8 TeV**

Khachatryan V. y., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)

CDVII. **Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

PHYSICS LETTERS B, cilt.758, ss.152-180, 2016 (SCI-Expanded)

CDVIII. **Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,

- Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CDIX. **Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV with the Novel CMS Technique of Data Scouting**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.117, sa.3, 2016 (SCI-Expanded)
- CDX. **Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CDXI. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2016 (SCI-Expanded)
- CDXII. **Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=8$ and 13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW LETTERS, cilt.117, sa.5, 2016 (SCI-Expanded)
- CDXIII. **Search for a low-mass pseudoscalar Higgs boson produced in association with a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.758, ss.296-320, 2016 (SCI-Expanded)
- CDXIV. **Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CDXV. **Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon plus jets final state in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.758, ss.321-346, 2016 (SCI-Expanded)
- CDXVI. **Measurement of the $W+W^-$ cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous gauge couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CDXVII. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.6, 2016 (SCI-Expanded)
- CDXVIII. **Search for pair-produced vectorlike B quarks in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.93, sa.11, 2016 (SCI-Expanded)
- CDXIX. **Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in**

pp collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.757, ss.6-31, 2016 (SCI-Expanded)

CDXX. Measurement of the CP-violating weak phase $\phi(s)$ and the decay width difference $\Delta\Gamma(s)$ using the $B\text{-}s(0) \rightarrow J/\psi\phi(1020)$ decay channel in pp collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.757, ss.97-120, 2016 (SCI-Expanded)

CDXXI. Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2016 (SCI-Expanded)

CDXXII. Inclusive and differential measurements of the $t(t)\text{-}\bar{c}$ charge asymmetry in pp collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.757, ss.154-179, 2016 (SCI-Expanded)

CDXXIII. Search for lepton flavour violating decays of heavy resonances and quantum black holes to an e mu pair in proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.6, 2016 (SCI-Expanded)

CDXXIV. Measurement of the top quark mass using charged particles in pp collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW D, cilt.93, sa.9, 2016 (SCI-Expanded)

CDXXV. Measurement of the inclusive jet cross section in pp collisions at root s=2.76 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.5, 2016 (SCI-Expanded)

CDXXVI. Measurement of the ratio $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi\phi(1020))$ in pp collisions at root s=7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICS LETTERS B, cilt.756, ss.84-102, 2016 (SCI-Expanded)

CDXXVII. Search for supersymmetry in pp collisions at root s=8 TeV in final states with boosted W bosons and b jets using razor variables

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICAL REVIEW D, cilt.93, sa.9, 2016 (SCI-Expanded)

CDXXVIII. Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at root s=7 and 8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2016 (SCI-Expanded)

CDXXIX. Measurement of top quark polarisation in t-channel single top quark production

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2016 (SCI-Expanded)

- CDXXX. **Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with $h \rightarrow \tau\tau$**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICS LETTERS B, cilt.755, ss.217-244, 2016 (SCI-Expanded)
- CDXXXI. **Search for W' decaying to tau lepton and neutrino in proton-proton collisions at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICS LETTERS B, cilt.755, ss.196-216, 2016 (SCI-Expanded)
- CDXXXII. **Search for new phenomena in monophoton final states in proton-proton collisions at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 PHYSICS LETTERS B, cilt.755, ss.102-124, 2016 (SCI-Expanded)
- CDXXXIII. **Measurement of the top quark mass using proton-proton data at root(s)=7**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICAL REVIEW D, cilt.93, sa.7, 2016 (SCI-Expanded)
- CDXXXIV. **Search for heavy Majorana neutrinos in $e(+/-)e(+/-)+$ jets and $e(+/-)\mu(+/-)$ + jet events in proton-proton collisions at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2016 (SCI-Expanded)
- CDXXXV. **Search for massive WH resonances decaying into the $l\nu b(\bar{b})$ final state at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.5, 2016 (SCI-Expanded)
- CDXXXVI. **Search for anomalous single top quark production in association with a photon in pp collisions at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2016 (SCI-Expanded)
- CDXXXVII. **Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at root $s=13$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
 PHYSICAL REVIEW LETTERS, cilt.116, sa.17, 2016 (SCI-Expanded)
- DXXXVIII. **Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $s=8$ TeV**
 Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
 Physical Review D, cilt.93, sa.5, 2016 (SCI-Expanded)
- CDXXXIX. **Event generator tunes obtained from underlying event and multiparton scattering measurements**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.3, 2016 (SCI-Expanded)
- CDXL. **Measurements of $t(\bar{t})$ spin correlations and top quark polarization using dilepton final states in pp collisions at root $s=8$ TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICAL REVIEW D, cilt.93, sa.5, 2016 (SCI-Expanded)
- CDXLI. **Transverse momentum spectra of inclusive b jets in pPb collisions at root $s(NN)=5.02$ TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICS LETTERS B, cilt.754, ss.59-80, 2016 (SCI-Expanded)

- CDXLII. **Measurement of the $t(\bar{t})$ over-bar production cross section in the all-jets final state in pp collisions at root $s=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.3, 2016 (SCI-Expanded)
- CDXLIII. **Search for excited leptons in proton-proton collisions at root $s=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2016 (SCI-Expanded)
- CDXLIV. **Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at root $s=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroo J., Flechl M., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2016 (SCI-Expanded)
- CDXLV. **Measurement of the charge asymmetry in top quark pair production in pp collisions at root $s=8\text{ TeV}$ using a template method**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CDXLVI. **Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at root $s=13\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICAL REVIEW LETTERS, cilt.116, sa.5, 2016 (SCI-Expanded)
- CDXLVII. **Search for exotic decays of a Higgs boson into undetectable particles and one or more photons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICS LETTERS B, cilt.753, ss.363-388, 2016 (SCI-Expanded)
- CDXLVIII. **Search for single production of scalar leptoquarks in proton-proton collisions at root $s=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CDXLIX. **Correlations between jets and charged particles in PbPb and pp collisions at root $s(\text{NN})=2.76\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2016 (SCI-Expanded)
- CDL. **Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at root $s=13\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
PHYSICAL REVIEW LETTERS, cilt.116, sa.7, 2016 (SCI-Expanded)
- CDLI. **Search for $W' \rightarrow t\bar{b}$ in proton-proton collisions at root $s=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2016 (SCI-Expanded)
- CDLII. **Search for pair production of first and second generation leptoquarks in proton-proton collisions at root $s=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al

- PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CDLIII. **Search for a Higgs boson decaying into $\gamma\gamma \rightarrow \ell\ell$ with low dilepton mass in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.753, ss.341-362, 2016 (SCI-Expanded)
- CDLIV. **Search for neutral MSSM Higgs bosons decaying to $\mu^{+}\mu^{-}$ in pp collisions at $\sqrt{s}=7$ and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.752, ss.221-246, 2016 (SCI-Expanded)
- CDLV. **Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CDLVI. **Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into tau leptons in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CDLVII. **Reconstruction and identification of tau lepton decays to hadrons and $\nu(\tau)$ at CMS**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.11, 2016 (SCI-Expanded)
- CDLVIII. **Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CDLIX. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.1, 2016 (SCI-Expanded)
- CDLX. **Search for resonant $t\bar{t}$ production in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICAL REVIEW D, cilt.93, sa.1, 2016 (SCI-Expanded)
- CDLXI. **A search for pair production of new light bosons decaying into muons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.752, ss.146-168, 2016 (SCI-Expanded)
- CDLXII. **Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CDLXIII. **Study of B Meson Production in p plus Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV Using Exclusive Hadronic Decays**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,

- Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.116, sa.3, 2016 (SCI-Expanded)
- CDLXIV. **Search for a light charged Higgs boson decaying to $c(s)\overline{c}$ in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2015 (SCI-Expanded)
- CDLXV. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.751, ss.143-163, 2015 (SCI-Expanded)
- CDLXVI. **Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R.,
Ghete V. M., et al.
PHYSICAL REVIEW D, cilt.92, sa.11, 2015 (SCI-Expanded)
- CDLXVII. **Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R.,
Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.11, 2015 (SCI-Expanded)
- CDLXVIII. **Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2015 (SCI-Expanded)
- CDLXIX. **Study of W boson production in pPb collisions at $\sqrt{NN}-N-S=5.02$ TeV**
Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., Hartl C., Hoermann N., Hrubec J.,
et al.
PHYSICS LETTERS B, cilt.750, ss.565-586, 2015 (SCI-Expanded)
- CDLXX. **Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to $\mu^{+}\mu^{-}$ as a function of transverse momentum and rapidity**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R.,
Ghete V. M., et al.
PHYSICS LETTERS B, cilt.750, ss.154-175, 2015 (SCI-Expanded)
- CDLXXI. **Search for a charged Higgs boson in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2015 (SCI-Expanded)
- CDLXXII. **Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.750, ss.494-519, 2015 (SCI-Expanded)
- CDLXXIII. **Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, ss.1-43, 2015 (SCI-Expanded)
- CDLXXIV. **Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,
Dragicevic M., Eroe J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2015 (SCI-Expanded)

- CDLXXV. **Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.749, ss.14-34, 2015 (SCI-Expanded)
- CDLXXVI. **Comparison of the Z/gamma* plus jets to gamma plus jets cross sections in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2015 (SCI-Expanded)
- CDLXXVII. **Search for supersymmetry with photons in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW D, cilt.92, sa.7, 2015 (SCI-Expanded)
- DLXXVIII. **Measurements of the ZZ production cross sections in the 2l2 nu channel in proton-proton collisions at root s=7 and 8 TeV and combined constraints on triple gauge couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.10, 2015 (SCI-Expanded)
- CDLXXIX. **Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.749, ss.560-582, 2015 (SCI-Expanded)
- CDLXXX. **Search for lepton-flavour-violating decays of the Higgs boson**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.749, ss.337-362, 2015 (SCI-Expanded)
- CDLXXXI. **Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.749, ss.187-209, 2015 (SCI-Expanded)
- CDLXXXII. **Limits on the Higgs boson lifetime and width from its decay to four charged leptons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.92, sa.7, 2015 (SCI-Expanded)
- DLXXXIII. **Search for narrow high-mass resonances in proton-proton collisions at root s=8 TeV decaying to a Z and a Higgs boson**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fried M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.748, ss.255-277, 2015 (SCI-Expanded)
- DLXXXIV. **Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at root s=2.76 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2015 (SCI-Expanded)
- CDLXXXV. **Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,

- Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2015 (SCI-Expanded)
- DLXXXVI. **Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Flechl M., et al.
PHYSICAL REVIEW C, cilt.92, sa.3, 2015 (SCI-Expanded)
- DLXXXVII. **Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $l^{+}l^{-}b\bar{b}$ final states**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.748, ss.221-243, 2015 (SCI-Expanded)
- DLXXXVIII. **Search for heavy Majorana neutrinos in $\mu^{+/-}\mu^{+/-} + \text{jets}$ events in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.748, ss.144-166, 2015 (SCI-Expanded)
- DLXXXIX. **Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.92, sa.3, 2015 (SCI-Expanded)
- CDXC. **Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF INSTRUMENTATION, cilt.10, 2015 (SCI-Expanded)
- CDXCI. **Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.747, ss.98-119, 2015 (SCI-Expanded)
- CDXCII. **Search for third-generation scalar leptoquarks in the $t\tau$ channel in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2015 (SCI-Expanded)
- CDXCIII. **Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW D, cilt.92, sa.1, 2015 (SCI-Expanded)
- CDXCIV. **Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s}=7\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.7, 2015 (SCI-Expanded)
- CDXCV. **Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s}=7\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.92, sa.1, 2015 (SCI-Expanded)

- CDXCVI. **Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at root s=8TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.7, 2015 (SCI-Expanded)
- CDXCVII. **Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at root s=7TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.6, 2015 (SCI-Expanded)
- CDXCVIII. **Measurement of the cross section ratio $\sigma(t\bar{t})/\sigma(t\bar{t})$ in pp collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
 PHYSICS LETTERS B, cilt.746, ss.132-153, 2015 (SCI-Expanded)
- CDXCIX. **Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 JOURNAL OF INSTRUMENTATION, cilt.10, 2015 (SCI-Expanded)
- D. **Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2015 (SCI-Expanded)
- DI. **Evidence for Collective Multiparticle Correlations in p-Pb Collisions**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 PHYSICAL REVIEW LETTERS, cilt.115, sa.1, 2015 (SCI-Expanded)
- DII. **Observation of the rare $B\text{-s}(0)\rightarrow\mu^{+}\mu^{-}$ decay from the combined analysis of CMS and LHCb data**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 NATURE, cilt.522, sa.7554, ss.68-87, 2015 (SCI-Expanded)
- DIII. **Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2015 (SCI-Expanded)
- DIV. **Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.6, 2015 (SCI-Expanded)
- DV. **Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2015 (SCI-Expanded)
- DVI. **Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at root s=8 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICS LETTERS B, cilt.746, ss.79-99, 2015 (SCI-Expanded)

DVII. Search for a standard model-like Higgs boson in the $\mu^{+}\mu^{-}$ and $e^{+}e^{-}$ decay channels at the LHC

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICS LETTERS B, cilt.744, ss.184-207, 2015 (SCI-Expanded)

DVIII. Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.5, 2015 (SCI-Expanded)

DIX. Measurement of J/ψ and $\psi(2S)$ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICAL REVIEW LETTERS, cilt.114, sa.19, 2015 (SCI-Expanded)

DX. Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICAL REVIEW D, cilt.91, sa.9, 2015 (SCI-Expanded)

DXI. Searches for supersymmetry using the M-T2 variable in hadronic events produced in pp collisions at 8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2015 (SCI-Expanded)

DXII. Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments

Aad G., Abbott B., Abdallah J., Abdinov O., Aben R., Abolins M., AbouZeid O. S., Abramowicz H., Abreu H., Abreu R., et al.

PHYSICAL REVIEW LETTERS, cilt.114, sa.19, 2015 (SCI-Expanded)

DXIII. Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.5, 2015 (SCI-Expanded)

DXIV. Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.5, 2015 (SCI-Expanded)

DXV. Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICS LETTERS B, cilt.745, ss.5-28, 2015 (SCI-Expanded)

DXVI. Study of final-state radiation in decays of Z bosons produced in pp collisions at 7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICAL REVIEW D, cilt.91, sa.9, 2015 (SCI-Expanded)

- DXVII. Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.5, 2015 (SCI-Expanded)
- DXVIII. Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2015 (SCI-Expanded)
- DXIX. Measurement of the production cross section ratio $\sigma(\chi_{b2}(1P))/\sigma(\chi_{b1}(1P))$ in pp collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.743, ss.383-402, 2015 (SCI-Expanded)
- DXX. Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2015 (SCI-Expanded)
- DXXI. Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.4, 2015 (SCI-Expanded)
- DXXII. Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.4, 2015 (SCI-Expanded)
- DXXIII. Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2015 (SCI-Expanded)
- DXXIV. Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, cilt.743, ss.503-525, 2015 (SCI-Expanded)
- DXXV. Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at $\sqrt{s}=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW D, cilt.91, sa.5, 2015 (SCI-Expanded)
- DXXVI. Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s}=8\text{ TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.114, sa.10, 2015 (SCI-Expanded)
- DXXVII. Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$**

- Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW D, cilt.91, sa.5, 2015 (SCI-Expanded)
- DXXXVIII. **Study of Z production in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV in the dimuon and dielectron decay channels**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2015 (SCI-Expanded)
- DXXXIX. **Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.742, ss.200-224, 2015 (SCI-Expanded)
- DXXX. **Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW D, cilt.91, sa.5, 2015 (SCI-Expanded)
- DXXXI. **Measurements of jet multiplicity and differential production cross sections of Z plus jets events in proton-proton collisions at $\sqrt{s}=7$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.91, sa.5, 2015 (SCI-Expanded)
- DXXXII. **Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW LETTERS, cilt.114, sa.6, 2015 (SCI-Expanded)
- DXXXIII. **Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.2, 2015 (SCI-Expanded)
- DXXXIV. **Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICAL REVIEW LETTERS, cilt.114, sa.5, 2015 (SCI-Expanded)
- DXXXV. **Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF INSTRUMENTATION, cilt.10, 2015 (SCI-Expanded)
- DXXXVI. **Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s}=7$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.741, ss.12-37, 2015 (SCI-Expanded)
- DXXXVII. **Measurement of the ratio of the production cross sections times branching fractions of $B_c(+/-) \rightarrow J/\psi \pi(+/-)$ and $B_c(+/-) \rightarrow J/\psi K(+/-)$ and $B(B_c(+/-) \rightarrow J/\psi \pi(+/-)\pi(+/-)\pi(-/+))/B(B_c(+/-) \rightarrow J/\psi \pi(+/-))$ in pp collisions at $\sqrt{s}=7$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M.,

- Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2015 (SCI-Expanded)
- DXXXVIII. **Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.91, sa.1, 2015 (SCI-Expanded)
- DXXXIX. **Search for new resonances decaying via WZ to leptons in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.740, ss.83-104, 2015 (SCI-Expanded)
- DXL. **Measurement of the pp -> ZZ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.740, ss.250-272, 2015 (SCI-Expanded)
- DXLI. **Search for disappearing tracks in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2015 (SCI-Expanded)
- DXLII. **Measurement of the W boson helicity in events with a single reconstructed top quark in p p collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth M., Ghete V. M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2015 (SCI-Expanded)
- DXLIII. **Identification techniques for highly boosted W bosons that decay into hadrons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2014 (SCI-Expanded)
- DXLIV. **Measurement of the t(t)over-bar production cross section in pp collisions at root s=8 TeV in dilepton final states containing one tau lepton**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.739, ss.23-43, 2014 (SCI-Expanded)
- DXLV. **Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at v root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.739, ss.229-249, 2014 (SCI-Expanded)
- DXLVI. **Measurement of Prompt psi(2S) to J/psi. Yield Ratios in Pb-Pb and p-p Collisions at root sNN=2.76 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.113, sa.26, 2014 (SCI-Expanded)
- DXLVII. **Search for supersymmetry with razor variables in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.11, 2014 (SCI-Expanded)
- DXLVIII. **Searches for heavy Higgs bosons in two-Higgs-doublet models and for t -> ch decay using multilepton and diphoton final states in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M.,

- Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.90, sa.11, 2014 (SCI-Expanded)
- DXLIX. Search for standard model production of four top quarks in the lepton plus jets channel in pp collisions at root S=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Uhwirth R. F., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2014 (SCI-Expanded)
- DL. Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.90, sa.9, 2014 (SCI-Expanded)
- DLI. Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.11, 2014 (SCI-Expanded)
- DLII. Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at root s=7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.11, 2014 (SCI-Expanded)
- DLIII. Search for excited quarks in the gamma plus jet final state in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.738, ss.274-293, 2014 (SCI-Expanded)
- DLIV. Measurement of the ratio of inclusive jet cross sections using the anti-k(T) algorithm with radius parameters R=0.5 and 0.7 in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.7, 2014 (SCI-Expanded)
- DLV. Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at root s=8 TeV by the CMS and TOTEM experiments**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.10, 2014 (SCI-Expanded)
- DLVI. Observation of the diphoton decay of the Higgs boson and measurement of its properties**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.10, 2014 (SCI-Expanded)
- DLVII. Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2014 (SCI-Expanded)
- DLVIII. Description and performance of track and primary-vertex reconstruction with the CMS tracker**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.9, 2014 (SCI-Expanded)
- DLIX. Study of hadronic event-shape variables in multijet final states in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M.,

- Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2014 (SCI-Expanded)
- DLX. **Evidence of b-Jet Quenching in PbPb Collisions at root S-NN=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.113, sa.13, 2014 (SCI-Expanded)
- DLXI. **Search for the associated production of the Higgs boson with a top-quark pair**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2014 (SCI-Expanded)
- DLXII. **Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.9, 2014 (SCI-Expanded)
- DLXIII. **Measurement of prompt J/psi pair production in pp collisions at root s = 7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2014 (SCI-Expanded)
- DLXIV. **Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.9, 2014 (SCI-Expanded)
- DLXV. **Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.736, ss.64-85, 2014 (SCI-Expanded)
- DLXVI. **Measurement of the ratio B(t -> Wb)/B(t -> Wq) in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.736, ss.33-57, 2014 (SCI-Expanded)
- DLXVII. **Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.736, ss.371-397, 2014 (SCI-Expanded)
- DLXVIII. **Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2014 (SCI-Expanded)
- DLXIX. **Search for jet extinction in the inclusive jet-p(T) spectrum from proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)
- DLXX. **Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2014 (SCI-Expanded)

- DLXXI. **Measurement of jet fragmentation in PbPb and pp collisions at root $s(\text{NN})=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW C, cilt.90, sa.2, 2014 (SCI-Expanded)
- DLXXII. **Measurement of WZ and ZZ production in pp collisions at in final states with b-tagged jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)
- DLXXIII. **Measurement of the muon charge asymmetry in inclusive pp \rightarrow W plus X production at root $s=7$ TeV and an improved determination of light parton distribution functions**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)
- DLXXIV. **Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)
- DLXXV. **Measurement of jet multiplicity distributions in $t(\bar{t})$ production in pp collisions at root $s=7\text{TeV}$**
Chatrchyan S., Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)
- DLXXVI. **Search for anomalous production of events with three or more leptons in pp collisions at root $s=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)
- DLXXVII. **Search for WW gamma and WZ gamma production and constraints on anomalous quartic gauge couplings in pp collisions at root $s=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)
- DLXXVIII. **Measurement of the production cross section for a W boson and two b jets in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.735, ss.204-225, 2014 (SCI-Expanded)
- DLXXIX. **Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at root $s(\text{NN})=5.02$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.7, 2014 (SCI-Expanded)
- DLXXX. **Study of the production of charged pions, kaons, and protons in pPb collisions at root $S_{\text{NN}}=5.02$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.6, 2014 (SCI-Expanded)
- DLXXXI. **Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at root $s=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C.,

- Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- DLXXXII. **Measurement of the triple-differential cross section for photon plus jets production in proton-proton collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- DLXXXIII. **Measurement of the t-channel single-top-quark production cross section and of the $|V_{tb}|$ CKM matrix element in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- DLXXXIV. **Alignment of the CMS tracker with LHC and cosmic ray data**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.9, 2014 (SCI-Expanded)
- DLXXXV. **Search for pair production of excited top quarks in the lepton plus jets final state**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- DLXXXVI. **Observation of a peaking structure in the J/psi phi mass spectrum from $B^{+/-} \rightarrow J/\psi \phi K^{+/-}$ decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.734, ss.261-281, 2014 (SCI-Expanded)
- DLXXXVII. **Search for supersymmetry in pp collisions at $\sqrt{s}=8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.733, ss.328-353, 2014 (SCI-Expanded)
- DLXXXVIII. **Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.6, 2014 (SCI-Expanded)
- DLXXXIX. **Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- DXC. **Observation of the Associated Production of a Single Top Quark - and a W Boson in pp Collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.23, 2014 (SCI-Expanded)
- DXCI. **Measurement of the W gamma and Z gamma inclusive cross sections in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge boson couplings**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)
- DXCII. **Evidence for the 125 GeV Higgs boson decaying to a pair of tau leptons**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C.,

- Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2014 (SCI-Expanded)
- DXCIII. Measurement of Inclusive W and Z Boson Production Cross Sections in pp Collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.19, 2014 (SCI-Expanded)
- DXCIV. Measurement of the properties of a Higgs boson in the four-lepton final state**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)
- DXCV. Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)
- DXCVI. Search for $W' \rightarrow tb$ decays in the lepton plus jets final state in pp collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2014 (SCI-Expanded)
- DXCVII. Search for Flavor-Changing Neutral Currents in Top-Quark Decays $t \rightarrow Zq$ in pp Collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.17, 2014 (SCI-Expanded)
- DXCVIII. Measurements of $t(\bar{t})$ Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.18, 2014 (SCI-Expanded)
- DXCIX. Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW C, cilt.89, sa.4, 2014 (SCI-Expanded)
- DC. Event activity dependence of (nS) production in $\sqrt{s}=5.02$ TeV pPb and $\sqrt{s}=2.76$ TeV pp collisions**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2014 (SCI-Expanded)
- DCI. Measurements of the $t(\bar{t})$ Overbar charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2014 (SCI-Expanded)
- DCII. Search for baryon number violation in top-quark decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.731, ss.173-196, 2014 (SCI-Expanded)
- DCIII. Search for Top-Quark Partners with Charge 5/3 in the Same-Sign Dilepton Final State**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.17, 2014 (SCI-Expanded)
- DCIV. Measurement of the top-quark mass in all-jets $t(\bar{t})$ events in pp collisions at $\sqrt{s}=7$ TeV**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.4, 2014 (SCI-Expanded)
- DCV. **Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.16, 2014 (SCI-Expanded)
- DCVI. **Modification of jet shapes in PbPb collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.730, ss.243-263, 2014 (SCI-Expanded)
- DCVII. **Study of double parton scattering using W+2-jet events in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2014 (SCI-Expanded)
- DCVIII. **Searches for light- and heavy-flavour three-jet resonances in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.730, ss.193-214, 2014 (SCI-Expanded)
- DCIX. **Measurement of the t(t)over-bar production cross section in the dilepton channel in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2014 (SCI-Expanded)
- DCX. **Inclusive search for a vector-like T quark with charge 2/3 in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.729, ss.149-171, 2014 (SCI-Expanded)
- DCXI. **Measurement of associated W plus charm production in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2014 (SCI-Expanded)
- DCXII. **Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2014 (SCI-Expanded)
- DCXIII. **Determination of the top-quark pole mass and strong coupling constant from the t(t)over-bar production cross section in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.728, ss.496-517, 2014 (SCI-Expanded)
- DCXIV. **Search for new physics in events with same-sign dileptons and jets in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2014 (SCI-Expanded)
- DCXV. **Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.89, sa.1, 2014 (SCI-Expanded)
- DCXVI. **Measurement of Higgs boson production and properties in the WW decay channel with leptonic final**

states

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2014 (SCI-Expanded)

DCXVII. **Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2013 (SCI-Expanded)

DCXVIII. **Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, cilt.88, sa.11, 2013 (SCI-Expanded)

DCXIX. **Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.12, 2013 (SCI-Expanded)

DCXX. **Search for top-squark pair production in the single-lepton final state in pp collisions at root s=8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.12, 2013 (SCI-Expanded)

DCXXI. **Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2013 (SCI-Expanded)

DCXXII. **Measurement of the prompt J/psi and psi(2S) polarizations in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.727, ss.381-402, 2013 (SCI-Expanded)

DCXXIII. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.726, ss.587-609, 2013 (SCI-Expanded)

DCXXIV. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF INSTRUMENTATION, cilt.8, 2013 (SCI-Expanded)

DCXXV. **Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.111, sa.21, 2013 (SCI-Expanded)

DCXXVI. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.727, ss.101-125, 2013 (SCI-Expanded)

- DCXXVII. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICAL REVIEW LETTERS, cilt.111, sa.22, 2013 (SCI-Expanded)
- DCXXVIII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
 PHYSICS LETTERS B, cilt.726, ss.564-586, 2013 (SCI-Expanded)
- DCXXIX. **Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.727, ss.77-100, 2013 (SCI-Expanded)
- DCXXX. **Search for a new bottomonium state decaying to $Upsilon(1S) \pi^+ \pi^-$ in pp collisions at root s=8 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.727, ss.57-76, 2013 (SCI-Expanded)
- DCXXXI. **Measurement of the W^+W^- cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.10, 2013 (SCI-Expanded)
- DCXXXII. **Measurement of the production cross section for $Z \gamma \rightarrow \nu(\nu)\overline{\nu} \gamma$ in pp collisions at root s=7 TeV and limits on $ZZ \gamma$ and $Z \gamma \gamma$ triple gauge boson couplings**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)
- DCXXXIII. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.725, ss.243-270, 2013 (SCI-Expanded)
- DCXXXIV. **Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)
- DCXXXV. **Measurement of the W-boson helicity in top-quark decays from $t(\overline{t})$ production in lepton plus jets events in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)
- DCXXXVI. **Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at root s=7 TeV and first determination of the strong coupling constant in the TeV range**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.10, 2013 (SCI-Expanded)
- DCXXXVII. **Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at root**

s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF INSTRUMENTATION, cilt.8, 2013 (SCI-Expanded)

- DCXXXVIII. **Measurement of neutral strange particle production in the underlying event in proton-proton collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW D, cilt.88, sa.5, 2013 (SCI-Expanded)

- DCXXXIX. **Interpretation of searches for supersymmetry with simplified models**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.88, sa.5, 2013 (SCI-Expanded)

- DCXL. **Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\alpha(T)$ and b-quark multiplicity in pp collisions at root s=8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.9, 2013 (SCI-Expanded)

- DCXLI. **Measurement of the B-s(0) $\rightarrow \mu^{+}\mu^{-}$ Branching Fraction and Search for B-0 $\rightarrow \mu^{+}\mu^{-}$ with the CMS Experiment**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.111, sa.10, 2013 (SCI-Expanded)

- DCXLII. **Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.111, sa.8, 2013 (SCI-Expanded)

- DCXLIII. **Searches for Higgs bosons in pp collisions at root s=7 and 8 TeV in the context of four-generation and fermiophobic models**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.725, ss.36-59, 2013 (SCI-Expanded)

- DCXLIV. **Searches for long-lived charged particles in pp collisions at root s=7 and 8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2013 (SCI-Expanded)

- DCXLV. **Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.724, ss.213-240, 2013 (SCI-Expanded)

- DCXLVI. **Study of exclusive two-photon production of W+W- in pp collisions at root s=7 TeV and constraints on anomalous quartic gauge couplings**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2013 (SCI-Expanded)

- DCXLVII. **Search for physics beyond the standard model in events with tau leptons, jets, and large transverse momentum imbalance in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.7, 2013 (SCI-Expanded)

- DCXLVIII. **Search for microscopic black holes in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2013 (SCI-Expanded)
- DCXLIX. **Measurement of masses in the t(t)over-tilde system by kinematic endpoints in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.7, 2013 (SCI-Expanded)
- DCL. **Measurement of the Lambda(0)(b) lifetime in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2013 (SCI-Expanded)
- DCLI. **Limits on Spin-Independent Couplings of WIMP Dark Matter with a p-Type Point-Contact Germanium Detector**
Li H. B., Liao H. Y., Lin S. T., Liu S. K., Singh L., Singh M. K., Soma A. K., Wong H. T., Wu Y. C., Zhao W., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.26, 2013 (SCI-Expanded)
- DCLII. **Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.723, ss.280-301, 2013 (SCI-Expanded)
- DCLIII. **Search for narrow resonances using the dijet mass spectrum in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.11, 2013 (SCI-Expanded)
- DCLIV. **Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.6, 2013 (SCI-Expanded)
- DCLV. **Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2013 (SCI-Expanded)
- DCLVI. **Measurements of differential jet cross sections in proton-proton collisions at root s=7 TeV with the CMS detector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.11, 2013 (SCI-Expanded)
- DCLVII. **Search for anomalous production of highly boosted Z bosons decaying to mu(+)mu(-) in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.722, ss.28-47, 2013 (SCI-Expanded)
- DCLVIII. **Search for fractionally charged particles in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.9, 2013 (SCI-Expanded)
- DCLIX. **Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

- PHYSICS LETTERS B, cilt.722, ss.207-232, 2013 (SCI-Expanded)
- DCLX. **Measurement of the $t(\bar{t})$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2013 (SCI-Expanded)
- DCLXI. **Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.5, 2013 (SCI-Expanded)
- DCLXII. **Studies of jet mass in dijet and W/Z plus jet events**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2013 (SCI-Expanded)
- DCLXIII. **Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.722, ss.5-27, 2013 (SCI-Expanded)
- DCLXIV. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.722, ss.273-294, 2013 (SCI-Expanded)
- DCLXV. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.722, ss.238-261, 2013 (SCI-Expanded)
- DCLXVI. **Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroev J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2013 (SCI-Expanded)
- DCLXVII. **Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi^+ \pi^-$ in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2013 (SCI-Expanded)
- DCLXVIII. **Search for Z' resonances decaying to $t(\bar{t})$ in dilepton plus jets final states in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)
- DCLXIX. **Measurement of the $W+W^-$ and ZZ production cross sections in pp collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.721, ss.190-211, 2013 (SCI-Expanded)
- DCLXX. **Identification of b-quark jets with the CMS experiment**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF INSTRUMENTATION, cilt.8, 2013 (SCI-Expanded)

- DCLXXI. **Study of the underlying event at forward rapidity in pp collisions at root s=0.9, 2.76, and 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2013 (SCI-Expanded)
- DCLXXII. **Measurement of the $t(\bar{t})$ production cross section in the tau plus jets channel in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.4, 2013 (SCI-Expanded)
- DCLXXIII. **Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)
- DCLXXIV. **Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)
- DCLXXV. **Search for pair-produced dijet resonances in four-jet final states in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.14, 2013 (SCI-Expanded)
- DCLXXVI. **Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.17, 2013 (SCI-Expanded)
- DCLXXVII. **Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- DCLXXVIII. **Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2013 (SCI-Expanded)
- DCLXXIX. **Measurement of differential top-quark-pair production cross sections in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.3, 2013 (SCI-Expanded)
- DCLXXX. **Measurement of the $t(\bar{t})$ production cross section in pp collisions at root s=7 TeV with lepton plus jets final states**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.720, ss.83-104, 2013 (SCI-Expanded)
- DCLXXXI. **Search for excited leptons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.

- PHYSICS LETTERS B, cilt.720, ss.309-329, 2013 (SCI-Expanded)
- DCLXXXII. **Search for heavy narrow dilepton resonances in pp collisions at root s=7 TeV and root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.720, ss.63-82, 2013 (SCI-Expanded)
- CLXXXIII. **Search for new physics in events with same-sign dileptons and b jets in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2013 (SCI-Expanded)
- CLXXXIV. **Search for contact interactions using the inclusive jet p(T) spectrum in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- DCLXXXV. **Search for exotic resonances decaying into WZ/ZZ in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2013 (SCI-Expanded)
- CLXXXVI. **Search for contact interactions in mu(+)mu(-) events in pp collisions at root s = 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.3, 2013 (SCI-Expanded)
- CLXXXVII. **Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- LXXXVIII. **Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.2, 2013 (SCI-Expanded)
- CLXXXIX. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- DCXC. **Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- DCXCI. **Search in leptonic channels for heavy resonances decaying to long-lived neutral particles**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2013 (SCI-Expanded)
- DCXCII. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.719, ss.42-61, 2013 (SCI-Expanded)
- DCXCIII. **Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or >= 3 b-quark jets in 7 TeV pp collisions using the variable alpha(T)**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2013 (SCI-Expanded)
- DCXCIV. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, sa.3, ss.795-814, 2013 (SCI-Expanded)
- DCXCV. **Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.2, 2013 (SCI-Expanded)
- DCXCVI. **Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2013 (SCI-Expanded)
- DCXCVII. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the q(q)over-barl(+)|l(-) final state**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, ss.1208-1228, 2013 (SCI-Expanded)
- DCXCVIII. **Search for a W ' boson decaying to a bottom quark and a top quark in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.718, ss.1229-1251, 2013 (SCI-Expanded)
- DCXCIX. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW C, cilt.87, sa.1, 2013 (SCI-Expanded)
- DCC. **Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at root S-NN=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.4, 2013 (SCI-Expanded)
- DCCI. **Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, ss.1252-1272, 2013 (SCI-Expanded)
- DCCII. **Measurement of the ZZ production cross section and search for anomalous couplings in 2l2l' final states in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2013 (SCI-Expanded)
- DCCIII. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Collaboration C. M. S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, sa.3, ss.815-840, 2013 (SCI-Expanded)
- DCCIV. **Observation of a diffractive contribution to dijet production in proton-proton collisions at root s =**

7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.87, sa.1, 2013 (SCI-Expanded)

- DCCV. **Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at root s(NN)=2.76 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.718, sa.3, ss.773-794, 2013 (SCI-Expanded)

- DCCVI. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.718, sa.3, ss.752-772, 2013 (SCI-Expanded)

- DCCVII. **Search for heavy quarks decaying into a top quark and a W or Z boson using lepton plus jets events in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2013 (SCI-Expanded)

- DCCVIII. **Measurement of the single-top-quark t-channel cross section in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)

- DCCIX. **Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.718, sa.2, ss.348-368, 2012 (SCI-Expanded)

- DCCX. **Observation of Z decays to four leptons with the CMS detector at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)

- DCCXI. **Search for three-jet resonances in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.718, sa.2, ss.329-347, 2012 (SCI-Expanded)

- DCCXII. **Combined search for the quarks of a sequential fourth generation**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.86, sa.11, 2012 (SCI-Expanded)

- DCCXIII. **Search for resonant t(t)-bar production in lepton plus jets events in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)

- DCCXIV. **A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

SCIENCE, cilt.338, sa.6114, ss.1569-1575, 2012 (SCI-Expanded)

- DCCXV. **Search for Heavy Neutrinos and W-R Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp Collisions at root s=7 TeV**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.109, sa.26, 2012 (SCI-Expanded)
- DCCXVI. **Measurement of the relative prompt production rate of $\chi(c2)$ and $\chi(c1)$ in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.12, 2012 (SCI-Expanded)
- DCCXVII. **Search for pair produced fourth-generation up-type quarks in pp collisions at root $s=7$ TeV with a lepton in the final state**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Ero J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, sa.2, ss.307-328, 2012 (SCI-Expanded)
- DCCXVIII. **Study of the Dijet Mass Spectrum in $pp \rightarrow W + \text{jets}$ Events at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.109, sa.25, 2012 (SCI-Expanded)
- DCCXIX. **Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)
- DCCXX. **Measurement of the top-quark mass in $t(\bar{t})$ over-bar events with lepton plus jets final states in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)
- DCCXXI. **Observation of Sequential ϵ Suppression in PbPb Collisions**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.109, sa.22, 2012 (SCI-Expanded)
- DCCXXII. **Search for exclusive or semi-exclusive $\gamma\gamma$ production and observation of exclusive and semi-exclusive $e(+)e(-)$ production in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2012 (SCI-Expanded)
- DCCXXIII. **Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2012 (SCI-Expanded)
- DCCXXIV. **Measurement of the $t(\bar{t})$ over-bar production cross section in the dilepton channel in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2012 (SCI-Expanded)
- DCCXXV. **Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Ero J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2012 (SCI-Expanded)
- DCCXXVI. **Search for electroweak production of charginos and neutralinos using leptonic final states in pp**

collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2012 (SCI-Expanded)

DCCXXVII. A search for a doubly-charged Higgs boson in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.11, 2012 (SCI-Expanded)

DCCXXVIII. Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.11, 2012 (SCI-Expanded)

DCCXXIX. Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at root s(NN)=2.76 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.15, 2012 (SCI-Expanded)

DCCXXX. Search for charge-asymmetric production of W ' bosons in t(t)over-bar plus jet events from pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.717, ss.351-370, 2012 (SCI-Expanded)

DCCXXXI. Measurement of jet fragmentation into charged particles in pp and PbPb collisions at root s(NN)=2.76 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2012 (SCI-Expanded)

DCCXXXII. Search for supersymmetry in hadronic final states using M-T2 in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2012 (SCI-Expanded)

DCCXXXIII. Measurement of the top-quark mass in t(t)over-bar events with dilepton final states in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.10, 2012 (SCI-Expanded)

DCCXXXIV. Search for a W ' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.14, 2012 (SCI-Expanded)

DCCXXXV. Performance of CMS muon reconstruction in pp collision events at root s=7TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF INSTRUMENTATION, cilt.7, 2012 (SCI-Expanded)

DCCXXXVI. Search for heavy Majorana neutrinos in mu(+/-)mu(+/-) + jets and e(+/-)e(+/-) + jets events in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.717, ss.109-128, 2012 (SCI-Expanded)

CCXXXVII. Study of the inclusive production of charged pions, kaons, and protons in pp collisions at root

$s=0.9, 2.76, \text{ and } 7 \text{ TeV}$

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.10, 2012 (SCI-Expanded)

CXXXVIII. **Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.17, 2012 (SCI-Expanded)

CCXXXIX. **Tests of CMS hadron forward calorimeter upgrade readout box prototype**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Mossolov V., Shumeiko N., Cornelis T., Ochesanu S., Roland B., Staykova Z., et al.

JOURNAL OF INSTRUMENTATION, cilt.7, 2012 (SCI-Expanded)

DCCXL. **Inclusive and differential measurements of the $t(\bar{t})$ over-bar charge asymmetry in proton-proton collisions root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.717, ss.129-150, 2012 (SCI-Expanded)

DCCXLI. **Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.86, sa.7, 2012 (SCI-Expanded)

DCCXLII. **Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.716, sa.1, ss.82-102, 2012 (SCI-Expanded)

DCCXLIII. **Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.12, 2012 (SCI-Expanded)

DCCXLIV. **Search for dark matter and large extra dimensions in monojet events in pp collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2012 (SCI-Expanded)

DCCXLV. **Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.9, 2012 (SCI-Expanded)

DCCXLVI. **Search for anomalous $t(\bar{t})$ over-bar production in the highly-boosted all-hadronic final state**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2012 (SCI-Expanded)

DCCXLVII. **Search for a fermiophobic Higgs boson in pp collisions at root $s=7 \text{ TeV}$**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2012 (SCI-Expanded)

DCCXLVIII. **Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse**

energy in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.716, sa.2, ss.260-284, 2012 (SCI-Expanded)

DCCXLIX. Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.86, sa.5, 2012 (SCI-Expanded)

DCCL. Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.11, 2012 (SCI-Expanded)

DCCLI. Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, sa.1, ss.30-61, 2012 (SCI-Expanded)

DCCLII. Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.716, sa.1, ss.103-121, 2012 (SCI-Expanded)

DCCLIII. Search for leptonic decays of W ' bosons in pp collisions at root s=7TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2012 (SCI-Expanded)

DCCLIV. Search for stopped long-lived particles produced in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2012 (SCI-Expanded)

DCCLV. Measurement of the underlying event activity in pp collisions at root s=0.9 and 7 TeV with the novel jet-area/median approach

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2012 (SCI-Expanded)

DCCLVI. Study of W boson production in PbPb and pp collisions at root s(NN)=2.76 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.715, ss.66-87, 2012 (SCI-Expanded)

DCCLVII. Measurement of the Lambda(b) cross section and the (Lambda)over-bar(b) to Lambda(b) ratio with J/psi Lambda decays in pp collisions at root s=7 TeV CMS Collaboration

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.714, ss.136-157, 2012 (SCI-Expanded)

DCCLVIII. Search for narrow resonances in dilepton mass spectra in pp collisions at root s=7 TeV CMS Collaboration

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.714, ss.158-179, 2012 (SCI-Expanded)

DCCLIX. Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse

Energy

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.7, 2012 (SCI-Expanded)

- DCCLX. **Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2012 (SCI-Expanded)

- DCCLXI. **Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at root S-NN=2.76 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.109, sa.2, 2012 (SCI-Expanded)

- DCCLXII. **Search for heavy long-lived charged particles in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.713, ss.408-433, 2012 (SCI-Expanded)

- DCCLXIII. **Search for a light charged Higgs boson in top quark decays in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2012 (SCI-Expanded)

- DCCLXIV. **Observation of a New Xi(b) Baryon**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.108, sa.25, 2012 (SCI-Expanded)

- DCCLXV. **Measurement of the mass difference between top and antitop quarks**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)

- DCCLXVI. **Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)

- DCCLXVII. **Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)

- DCCLXVIII. **Search for neutral Higgs bosons decaying to tau pairs in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.713, sa.2, ss.68-90, 2012 (SCI-Expanded)

- DCCLXIX. **Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.108, sa.26, 2012 (SCI-Expanded)

- DCCLXX. **Search for anomalous production of multilepton events in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)
- DCCLXXI. **Measurement of the cross section for production of $b\bar{b}$ decaying to muons in pp collisions at $\sqrt{s}=7\text{TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)
- DCCLXXII. **Measurement of the Z/γ^* plus b-jet cross section in pp collisions at $\sqrt{s}=7\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2012 (SCI-Expanded)
- DCCLXXIII. **Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s(NN)}=2.76\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.712, sa.3, ss.176-197, 2012 (SCI-Expanded)
- DCCLXXIV. **Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=7\text{ TeV}$ in dilepton final states containing a tau**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICAL REVIEW D, cilt.85, sa.11, 2012 (SCI-Expanded)
- DCCLXXV. **Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s(NN)}=2.76\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2012 (SCI-Expanded)
- DCCLXXVI. **Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s}=7\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2012 (SCI-Expanded)
- DCCLXXVII. **Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s}=7\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.711, sa.1, ss.15-34, 2012 (SCI-Expanded)
- DCCLXXVIII. **Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s}=7\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2012 (SCI-Expanded)
- DCCLXXIX. **Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s(NN)}=2.76\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.5, 2012 (SCI-Expanded)
- DCCLXXX. **Constraints on a noncommutative physics scale with neutrino-electron scattering**
 Bilmiş S., Deniz M., Li H. B., Li J., Liao H. Y., Lin S. T., Singh V., Wong H. T., Yildirim I. O., Yue Q., et al.
 PHYSICAL REVIEW D, cilt.85, sa.7, 2012 (SCI-Expanded)
- DCCLXXXI. **Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q\bar{q}\ell\ell$ in pp collisions at $\sqrt{s}=7\text{ TeV}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2012 (SCI-Expanded)
- DCCLXXXII. **Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s}=7\text{ TeV}$**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.3, ss.403-425, 2012 (SCI-Expanded)
- :CLXXXIII. **Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.2, ss.284-306, 2012 (SCI-Expanded)
- :CLXXXIV. **Inclusive b-jet production in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2012 (SCI-Expanded)
- CCLXXXV. **Search for microscopic black holes in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2012 (SCI-Expanded)
- :CLXXXVI. **Search for $B\text{-}S(0) \rightarrow \mu^{+}\mu^{-}$ and $B\text{-}0 \rightarrow \mu^{+}\mu^{-}$ decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2012 (SCI-Expanded)
- CLXXXVII. **Measurement of isolated photon production in pp and PbPb collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.2, ss.256-277, 2012 (SCI-Expanded)
- :LXXXVIII. **Search for the standard model Higgs boson decaying to $W+W^{-}$ in the fully leptonic final state in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.1, ss.91-113, 2012 (SCI-Expanded)
- :CLXXXIX. **Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.3, 2012 (SCI-Expanded)
- DCCXC. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2012 (SCI-Expanded)
- DCCXCI. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.709, ss.28-49, 2012 (SCI-Expanded)
- DCCXCII. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l^{+}l^{-}\tau^{+}\tau^{-}$ decay channel in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2012 (SCI-Expanded)
- DCCXCIII. **Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ \rightarrow 4l$ in pp Collisions at root s=7 TeV**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.11, 2012 (SCI-Expanded)
- DCCXCIV. **Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.11, 2012 (SCI-Expanded)
- DCCXCV. **Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.1, ss.26-48, 2012 (SCI-Expanded)
- DCCXCVI. **J/psi and psi(2S) production in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2012 (SCI-Expanded)
- DCCXCVII. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at root(s)=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.85, sa.3, 2012 (SCI-Expanded)
- DCCXCVIII. **Measurement of the production cross section for pairs of isolated photons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2012 (SCI-Expanded)
- DCCXCIX. **Jet production rates in association with W and Z bosons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2012 (SCI-Expanded)
- DCCC. **Inclusive search for squarks and gluinos in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)
- DCCCI. **Exclusive gamma gamma -> mu(+)mu(-) production in proton-proton collisions at root s=7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2012 (SCI-Expanded)
- DCCCII. **Performance of tau-lepton reconstruction and identification in CMS**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.7, 2012 (SCI-Expanded)
- DCCCIII. **Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.1, 2012 (SCI-Expanded)
- DCCCIV. **Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

- PHYSICAL REVIEW D, cilt.84, sa.11, 2011 (SCI-Expanded)
- DCCCV. **Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.22, 2011 (SCI-Expanded)
- DCCCVI. **Measurement of the $t\bar{t}$ production cross section in pp collisions at 7 TeV in lepton plus jets events using b-quark jet identification**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.84, sa.9, 2011 (SCI-Expanded)
- DCCCVII. **Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.20, 2011 (SCI-Expanded)
- DCCCVIII. **Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s}=0.9$ and 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2011 (SCI-Expanded)
- DCCXCIX. **Determination of jet energy calibration and transverse momentum resolution in CMS**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.6, 2011 (SCI-Expanded)
- DCCCX. **Search for $B\text{-s}(0) \rightarrow \mu^{+}\mu^{-}$ and $B\text{-}0 \rightarrow \mu^{+}\mu^{-}$ Decays in pp Collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.19, 2011 (SCI-Expanded)
- DCCCXI. **Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s}=7$ TeV with the CMS experiment**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2011 (SCI-Expanded)
- DCCCXII. **Search for physics beyond the standard model using multilepton signatures in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.704, sa.5, ss.411-433, 2011 (SCI-Expanded)
- DCCCXIII. **A search for excited leptons in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.704, sa.3, ss.143-162, 2011 (SCI-Expanded)
- DCCCXIV. **Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.704, sa.3, ss.123-142, 2011 (SCI-Expanded)
- DCCCXV. **Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2011 (SCI-Expanded)
- DCCCXVI. **Measurement of the $B\text{-s}(0)$ Production Cross Section with $B\text{-s}(0) \rightarrow J/\psi\phi$ Decays in pp Collisions at $\sqrt{s}=7$ TeV**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.84, sa.5, 2011 (SCI-Expanded)
- DCCCXVII. **Search for first generation scalar leptoquarks in the $e \nu jj$ channel in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.703, sa.3, ss.246-266, 2011 (SCI-Expanded)
- DCCCXVIII. **Measurement of the underlying event activity at the LHC with root $s=7$ TeV and comparison with root $s=0.9$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2011 (SCI-Expanded)
- DCCCXIX. **Missing transverse energy performance of the CMS detector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.6, 2011 (SCI-Expanded)
- DCCCXX. **Measurement of the Inclusive Jet Cross Section in pp Collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.13, 2011 (SCI-Expanded)
- DCCCXXI. **Measurement of the $t(\bar{t})$ production cross section in pp collisions at root $s=7$ TeV using the kinematic properties of events with leptons and jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.9, 2011 (SCI-Expanded)
- DCCCXXII. **Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.84, sa.5, 2011 (SCI-Expanded)
- DCCCXXIII. **Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.702, sa.5, ss.336-354, 2011 (SCI-Expanded)
- DCCCXXIV. **Observation and studies of jet quenching in PbPb collisions at root $s(NN)=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW C, cilt.84, sa.2, 2011 (SCI-Expanded)
- DCCCXXV. **Search for Three-Jet Resonances in pp Collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.10, 2011 (SCI-Expanded)
- DCCCXXVI. **Measurement of the t-Channel Single Top Quark Production Cross Section in pp Collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.9, 2011 (SCI-Expanded)
- DCCCXXVII. **Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)

- :CCXXVIII. **Search for same-sign top-quark pair production at $\sqrt{s}=7$ TeV and limits on flavour changing neutral currents in the top sector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)
- CCCXXIX. **Charged particle transverse momentum spectra in pp collisions at $\sqrt{s}=0.9$ and 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)
- DCCCXXX. **Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)
- CCCXXXI. **Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)
- CCCXXXII. **Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2011 (SCI-Expanded)
- :CCXXXIII. **Search for light resonances decaying into pairs of muons as a signal of new physics**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2011 (SCI-Expanded)
- :CCXXXIV. **Measurement of the $t(\bar{t})$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2011 (SCI-Expanded)
- CCCXXXV. **Indications of Suppression of Excited Upsilon States in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.5, 2011 (SCI-Expanded)
- :CCXXXVI. **Measurement of the Polarization of W Bosons with Large Transverse Momenta in W plus jets Events at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.2, 2011 (SCI-Expanded)
- CCXXXVII. **Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2011 (SCI-Expanded)
- :CCXXXVIII. **Measurement of W gamma and Z gamma production in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.701, sa.5, ss.535-555, 2011 (SCI-Expanded)
- :CCXXXIX. **Search for a heavy bottom-like quark in pp collisions at $\sqrt{s}=7$ TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.701, sa.2, ss.204-223, 2011 (SCI-Expanded)

DCCCXL. **Search for a W boson decaying to a muon and a neutrino in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.701, sa.2, ss.160-179, 2011 (SCI-Expanded)

DCCCXLI. **Search for supersymmetry in events with b jets and missing transverse momentum at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2011 (SCI-Expanded)

DCCCXLII. **Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2011 (SCI-Expanded)

DCCCXLIII. **Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2011 (SCI-Expanded)

DCCCXLIV. **Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2011 (SCI-Expanded)

DCCCXLV. **Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.23, 2011 (SCI-Expanded)

DCCCXLVI. **Measurement of the B-0 Production Cross Section in pp Collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.25, 2011 (SCI-Expanded)

CCCXLVII. **Upsilon production cross section in pp collisions at root s=7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICAL REVIEW D, cilt.83, sa.11, 2011 (SCI-Expanded)

CCCXLVIII. **Measurement of the differential dijet production cross section in proton-proton collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.700, ss.187-206, 2011 (SCI-Expanded)

DCCCXLIX. **Search for large extra dimensions in the diphoton final state at the Large Hadron Collider**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2011 (SCI-Expanded)

DCCCL. **Strange particle production in pp collisions at root s=0.9 and 7 TeV**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., Fruehwirth R., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2011 (SCI-Expanded)

DCCCLI. Measurement of Bose-Einstein correlations in pp collisions at root s=0.9 and 7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2011 (SCI-Expanded)

DCCCLII. Study of Z Boson Production in PbPb Collisions at root s(NN)=2.76 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.21, 2011 (SCI-Expanded)

DCCCLIII. Search for resonances in the dilepton mass distribution in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2011 (SCI-Expanded)

DCCCLIV. Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at root s=7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.20, 2011 (SCI-Expanded)

DCCCLV. Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at root s=7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Fabjan C., Friedl M., Fruehwirth R., Ghete V. M., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.20, 2011 (SCI-Expanded)

DCCCLVI. First measurement of hadronic event shapes in pp collisions at root s=7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICS LETTERS B, cilt.699, ss.48-67, 2011 (SCI-Expanded)

DCCCLVII. Search for Supersymmetry in pp Collisions at root s=7 TeV in Events with Two Photons and Missing Transverse Energy

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.21, 2011 (SCI-Expanded)

DCCCLVIII. Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at root s=7 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICAL REVIEW LETTERS, cilt.106, sa.20, 2011 (SCI-Expanded)

DCCCLIX. Measurement of W+W- production and search for the Higgs boson in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, cilt.699, ss.25-47, 2011 (SCI-Expanded)

DCCCLX. Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at root s=7TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2011 (SCI-Expanded)

DCCCLXI. Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.

PHYSICS LETTERS B, cilt.698, sa.3, ss.196-218, 2011 (SCI-Expanded)

DCCCLXII. Search for heavy stable charged particles in pp collisions at root s=7 TeV

- Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2011 (SCI-Expanded)
- 0CCCLXIII. **Dijet Azimuthal Decorrelations in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICAL REVIEW LETTERS, cilt.106, sa.12, 2011 (SCI-Expanded)
- 0CCCLXIV. **Search for microscopic black hole signatures at the Large Hadron Collider**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICS LETTERS B, cilt.697, sa.5, ss.434-453, 2011 (SCI-Expanded)
- 0CCCLXV. **Inclusive b-hadron production cross section with muons in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2011 (SCI-Expanded)
- 0CCCLXVI. **Prompt and non-prompt J/psi production in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.3, 2011 (SCI-Expanded)
- 0CCCLXVII. **Measurement of B(B)over-bar angular correlations based on secondary vertex reconstruction at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2011 (SCI-Expanded)
- 0CCCLXVIII. **Search for a heavy gauge boson W ' in the final state with an electron and large missing transverse energy in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICS LETTERS B, cilt.698, sa.1, ss.21-39, 2011 (SCI-Expanded)
- 0CCCLXIX. **Measurement of the B+ Production Cross Section in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICAL REVIEW LETTERS, cilt.106, sa.11, 2011 (SCI-Expanded)
- 0CCCLXX. **Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICAL REVIEW LETTERS, cilt.106, sa.8, 2011 (SCI-Expanded)
- 0CCCLXXI. **Search for Stopped Gluinos in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al
PHYSICAL REVIEW LETTERS, cilt.106, sa.1, 2011 (SCI-Expanded)
- 0CCCLXXII. **THE NEUTRAL HEAVY SCALAR PRODUCTIONS ASSOCIATED WITH Z(L) IN THE LITTLEST HIGGS MODEL AT ILC AND CLIC**
Cagil A., ZEYREK M. T.
ACTA PHYSICA POLONICA B, cilt.42, sa.1, ss.45-60, 2011 (SCI-Expanded)
- 0CCCLXXIII. **The semileptonic B to K-1(1270,1400) decays in QCD sum rules**
Dag H., ÖZPİNECİ A., ZEYREK M. T.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, cilt.38, sa.1, 2011 (SCI-Expanded)
- 0CCCLXXIV. **Charged particle multiplicities in pp interactions at root s=0:9, 2:36, and 7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M.,

- Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2011 (SCI-Expanded)
- CCCLXXV. **First measurement of the cross section for top-quark pair production in proton-proton collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.695, sa.5, ss.424-443, 2011 (SCI-Expanded)
- :CCLXXVI. **Measurements of inclusive W and Z cross sections in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2011 (SCI-Expanded)
- CCLXXVII. **CMS tracking performance results from early LHC operation**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.70, sa.4, ss.1165-1192, 2010 (SCI-Expanded)
- :CLXXVIII. **Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.105, sa.26, 2010 (SCI-Expanded)
- :CCLXXIX. **First measurement of the underlying event activity at the LHC with root s=0.9 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.70, sa.3, ss.555-572, 2010 (SCI-Expanded)
- CCCLXXX. **Search for Dijet Resonances in 7 TeV pp Collisions at CMS**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.105, sa.21, 2010 (SCI-Expanded)
- :CCLXXXI. **Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2010 (SCI-Expanded)
- CCLXXXII. **Constraints on nonstandard neutrino interactions and unparticle physics with (ν) over bar (e)-e(-) scattering at the Kuo-Sheng nuclear power reactor**
Deniz M., Bilmis S., Yildirim I. O., Li H. B., Li J., Liao H. Y., Lin C. W., Lin S. T., SERIN M., Singh V., et al.
PHYSICAL REVIEW D, cilt.82, sa.3, 2010 (SCI-Expanded)
- :CLXXXIII. **Measurement of the charge ratio of atmospheric muons with the CMS detector**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICS LETTERS B, cilt.692, sa.2, ss.83-104, 2010 (SCI-Expanded)
- :CLXXXIV. **Flavor-changing neutral currents transition of the Sigma(Q) to nucleon in full QCD and heavy quark effective theory**
AZIZI K., BAYAR M., ZEYREK M. T.
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, cilt.37, sa.8, 2010 (SCI-Expanded)
- CCLXXXV. **Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.105, sa.2, 2010 (SCI-Expanded)
- :CLXXXVI. **First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at root s=0.9 and 2.36 TeV at the LHC**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M.,

Fruehwirth R., et al.

PHYSICAL REVIEW LETTERS, cilt.105, sa.3, 2010 (SCI-Expanded)

- CLXXXVII. **Study of various photomultiplier tubes with muon beams and Cerenkov light produced in electron showers**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Mossolov V., Shumeiko N., De Wolf E. A., Ochsanu S., Roland B., Van Haeuvermaet H., Van Mechelen P., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- LXXXVIII. **Measurement of (nu)over-bar(e)-electron scattering cross section with a CsI(Tl) scintillating crystal array at the Kuo-Sheng nuclear power reactor**
Deniz M., Lin S. T., Singh V., Li J., Wong H. T., Bilmis S., Chang C. Y., Chang H. M., Chang W. C., Chen C. P., et al.
PHYSICAL REVIEW D, cilt.81, sa.7, 2010 (SCI-Expanded)
- CLXXXIX. **Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXC. **Performance of CMS muon reconstruction in cosmic-ray events**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCI. **Performance of the CMS cathode strip chambers with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCII. **Performance of the CMS drift-tube chamber local trigger with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCIII. **Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCIV. **Performance and operation of the CMS electromagnetic calorimeter**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCV. **Measurement of the muon stopping power in lead tungstate**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- DCCCXCVI. **Commissioning of the CMS experiment and the cosmic run at four tesla**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CCCXCVII. **Commissioning of the CMS High-Level Trigger with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CCXCVIII. **Time reconstruction and performance of the CMS electromagnetic calorimeter**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroo J., et al.

- JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- 0CCCXCIX. **Performance study of the CMS barrel resistive plate chambers with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CM. **Alignment of the CMS silicon tracker during commissioning with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CM I. **CMS data processing workflows during an extended cosmic ray run**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMII. **Alignment of the CMS muon system with cosmic-ray and beam-halo muons**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMIII. **Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMIV. **Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMV. **Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMVI. **Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMVII. **Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMVIII. **Performance of the CMS drift tube chambers with cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMIX. **Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Ero J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMX. **Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Adam W., Arnold B., Bergauer H., Bergauer T., Dragicevic M., Eichberger M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, cilt.5, 2010 (SCI-Expanded)
- CMXI. **Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at root**

s=0.9 and 2.36 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Friedl M., Fruehwirth R., Ghete V. M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2010 (SCI-Expanded)

CMXII. ZL associated pair production of charged Higgs bosons in the littlest Higgs model at $e^{+}e^{-}$ colliders

Cagil A., ZEYREK M. T.

PHYSICAL REVIEW D, cilt.80, sa.5, 2009 (SCI-Expanded)

CMXIII. The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c

Abdullin S., Abramov V., Acharya B., Adam N., Adams M., Adzic P., Akchurin N., Akgun U., Albayrak E., Alemany-Fernandez R., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.60, sa.3, ss.359-373, 2009 (SCI-Expanded)

CMXIV. Design, performance, and calibration of the CMS hadron-outer calorimeter

Abdullin S., Abramov V., Acharya B., Adam N., Adams M., Akchurin N., Akgun U., Albayrak E., Anderson E. W., Antchev G., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.57, sa.3, ss.653-663, 2008 (SCI-Expanded)

CMXV. The CMS experiment at the CERN LHC

Chatrchyan S., Hmayakyan G., Khachatryan V., Sirunyan A. M., Adam W., Bauer T., Bergauer T., Bergauer H., Dragicevic M., Ero J., et al.

JOURNAL OF INSTRUMENTATION, cilt.3, 2008 (SCI-Expanded)

CMXVI. Design, performance, and calibration of CMS hadron-barrel calorimeter wedges

Abdullin S., Abramov V., Acharya B., Adams M., Akchurin N., Akgun U., Anderson E. W., Antchev G., Ayan S., Aydin S., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.55, sa.1, ss.159-171, 2008 (SCI-Expanded)

CMXVII. Final results on $\nu_{\mu} \rightarrow \nu_{\tau}$ oscillation from the CHORUS experiment

EŞKUT E., KAYIŞ TOPAKSU A., Oenenguet G., van Beuzekom M. G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R. G. C., Pesen E., et al.

NUCLEAR PHYSICS B, sa.1-2, ss.326-343, 2008 (SCI-Expanded)

CMXVIII. Search for a standard model Higgs boson in CMS via vector boson fusion in the $H \rightarrow WW \rightarrow l \nu l$ channel

Yazgan E., Damgov J., Akchurin N., Genchev V., Green D., Kunori S., Schmitt M., Wu W., ZEYREK M. T.

EUROPEAN PHYSICAL JOURNAL C, cilt.53, sa.2, ss.329-347, 2008 (SCI-Expanded)

CMXIX. Summary of the CMS potential for the Higgs boson discovery

Abdullin S., Banerjee S., Bellucci L., Charlot C., Denegri D., Dittmar M., Drollinger V., Dubinin M. N., Dzelalija M., Green D., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.39, ss.41-61, 2005 (SCI-Expanded)

CMXX. Observing higher-dimensional black holes at the LHC

Sekmen S., Zeyrek M.

EUROPEAN PHYSICAL JOURNAL C, cilt.39, sa.4, ss.503-509, 2005 (SCI-Expanded)

CMXXI. Measurement of fragmentation properties of charmed particle production in charged-current neutrino interactions

Onengut G., van Dantzig R., de Jong M., Melzer O., Oldeman R., Pesen E., Visschers J., Guler M., Kose U., Serin-Zeyrek M., et al.

PHYSICS LETTERS B, sa.3-4, ss.145-156, 2004 (SCI-Expanded)

CMXXII. Measurement of charm production in antineutrino charged-current interactions

Onengut G., van Dantzig R., de Jong M., Melzer O., Oldeman R., Pesen E., Visschers J., Guler M., Kose U., Serin-Zeyrek M., et al.

PHYSICS LETTERS B, sa.1-2, ss.11-21, 2004 (SCI-Expanded)

CMXXIII. Experimental study of trimuon events in neutrino charged-current interactions

Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., Pesen E., van der Poel C., Visschers J., et al.

- PHYSICS LETTERS B, sa.1-2, ss.44-53, 2004 (SCI-Expanded)
- CMXXIV. **Cross-section measurement for quasi-elastic production of charmed baryons in νN interactions**
 Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Melzer O., Oldeman R., Pesen E., Spada F., Visschers J., Guler M., et al.
 PHYSICS LETTERS B, sa.3-4, ss.198-207, 2003 (SCI-Expanded)
- CMXXV. **Measurement of the Z/A dependence of neutrino charged-current total cross-sections**
 Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., Pesen E., van der Poel C., Spada F., et al.
 EUROPEAN PHYSICAL JOURNAL C, sa.2, ss.159-167, 2003 (SCI-Expanded)
- CMXXVI. **Study of high mass Higgs using $pp \rightarrow qqH$**
 Yildiz H., Zeyrek M.
 ACTA PHYSICA POLONICA B, cilt.34, sa.8, ss.4001-4017, 2003 (SCI-Expanded)
- CMXXVII. **Measurement of Λ_c^+ production in neutrino charged-current interactions**
 Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong A., Melzer O., Oldeman R., Pesen E., Spada F., Visschers J., Guler M., et al.
 PHYSICS LETTERS B, sa.3-4, ss.156-166, 2003 (SCI-Expanded)
- CMXXVIII. **Observation of one event with the characteristics of associated charm production in neutrino charged-current interactions**
 Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., Pesen E., Visschers J., Guler M., et al.
 PHYSICS LETTERS B, sa.3-4, ss.188-196, 2002 (SCI-Expanded)
- CMXXIX. **Measurement of D^0 production in neutrino charged-current interactions**
 Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Melzer O., Oldeman R., Pesen E., Visschers J., Guler M., Serin-Zeyrek M., et al.
 PHYSICS LETTERS B, sa.3-4, ss.173-181, 2002 (SCI-Expanded)
- CMXXX. **Observation of weak neutral current neutrino production of J/ψ**
 Eskut E., Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., Pesen E., van der Poel C., et al.
 PHYSICS LETTERS B, sa.1-2, ss.1-9, 2001 (SCI-Expanded)
- CMXXXI. **New results from a search for $\nu_\mu \rightarrow \nu_\tau$ and $\nu_e \rightarrow \nu_\tau$ oscillation**
 Eskut E., Kayis-Topaksu A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., Pesen E., van der Poel C., et al.
 PHYSICS LETTERS B, sa.1-2, ss.8-22, 2001 (SCI-Expanded)
- CMXXXII. **The trigger system of the CHORUS experiment**
 van Beuzekom M., Boes J., van den Born E., Jaspers M., Konijn J., Oldeman R., van der Poel C., van Reen T., Stolte J., Uiterwijk J., et al.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.427, sa.3, ss.587-606, 1999 (SCI-Expanded)
- CMXXXIII. **Observation of neutrino induced diffractive $D_s^*(+)$ production and subsequent decay $D_s^*(+) \rightarrow D_s^+(+) \rightarrow \tau^+(+) \rightarrow \mu^+(+)$**
 Annis P., Aoki S., Artamonov A., Barbuto E., di Bartolomeo A., Bonekamper D., Bozza C., Brooijmans C., Brunner J., Bulte A., et al.
 PHYSICS LETTERS B, cilt.435, ss.458-464, 1998 (SCI-Expanded)
- CMXXXIV. **Search for $\nu_\mu \rightarrow \nu_\tau$ oscillation using the τ decay modes into a single charged particle**
 Eskut E., Kayis A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., van der Poel C., Uiterwijk J., et al.

- PHYSICS LETTERS B, sa.1-2, ss.205-213, 1998 (SCI-Expanded)
- CMXXXV. **A search for $\nu(\mu)\rightarrow\nu(\tau)$ oscillation**
Eskut E., Kayis A., Onengut G., van Dantzig R., de Jong M., Konijn J., Melzer O., Oldeman R., van der Poel C., Uiterwijk J., et al.
PHYSICS LETTERS B, cilt.424, ss.202-212, 1998 (SCI-Expanded)
- CMXXXVI. **The CHORUS experiment to search for $\nu(\mu)\rightarrow\nu(\tau)$ oscillation**
Eskut E., Kayis A., Onengut G., vanDantzig R., Konijn J., Oldeman R., vanderPoel C., Uiterwijk J., Visschers J., Ayan A., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.401, sa.1, ss.7-44, 1997 (SCI-Expanded)
- CMXXXVII. **STATUS-REPORT ON CHORUS EXPERIMENT AT CERN**
ARIK E., ARMENISE N., AOKI S., ARTAMONOV A., BEYER R., BRUNNER J., BUONTEMPO S., CATANESI M., CHIKAWA H., CHUNG K., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.360, ss.254-257, 1995 (SCI-Expanded)
- CMXXXVIII. **SEARCH FOR MUON TO ELECTRON NEUTRINO OSCILLATIONS**
VILAIN P., WILQUET G., BEYER R., FLEGEL W., MOUTHUY T., OVERAS H., PANMAN J., ROZANOV A., WINTER K., ZACEK G., et al.
ZEITSCHRIFT FUR PHYSIK C-PARTICLES AND FIELDS, cilt.64, sa.4, ss.539-544, 1994 (SCI-Expanded)
- CMXXXIX. **THE SMALL-ANGLE SPECTROMETER OF EXPERIMENT UA8 AT THE SPPS-COLLIDER**
BRANDT A., ELLETT J., ERHAN S., JACKSON R., KUZUCU A., MEDINNIS M., OILLATAGUERRE P., OZDES N., SCHLEIN P., ZEYREK M. T., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.327, ss.412-426, 1993 (SCI-Expanded)
- CMXL. **EVIDENCE FOR A SUPER-HARD POMERON STRUCTURE**
BRANDT A., ERHAN S., KUZUCU A., MEDINNIS M., OZDES N., SCHLEIN P., ZEYREK M. T., ZWEIZIG J., CHEZE J., ZSEMBERY J.
PHYSICS LETTERS B, cilt.297, ss.417-424, 1992 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **CERN: ACCELERATING SCIENCE AND INNOVATION**
ZEYREK M. T.
ENTREPRENEURSHIP ENGINEERING MANAGEMENT (PIM6), 22 Nisan 2017
- II. **$\Sigma(b,c)$ to Nucleon Transitions in Light Cone QCD Sum Rules**
BAYAR M., AZİZİ K., ZEYREK M. T.
9th International Conference on Quark Confinement and the Hadron Spectrum, Madrid, İspanya, 30 Ağustos - 03 Eylül 2010, cilt.1343, ss.382-384
- III. **FCNC Transition of $\Sigma(Q)$ to Nucleon**
AZİZİ K., ZEYREK M. T., BAYAR M.
35th International Conference of High Energy Physics (ICHEP), Paris, Fransa, 22 - 28 Temmuz 2010
- IV. **FCNC transition of ΣQ to nucleon**
Azizi K., ZEYREK M. T., BAYAR M. K.
35th International Conference of High Energy Physics, ICHEP 2010, Paris, Fransa, 22 - 28 Temmuz 2010, cilt.120
- V. **UA8 - RESULTS ON HARD DIFFRACTION SCATTERING AND OTHER THINGS**
BRANDT A., ERHAN S., KUZUCU A., MEDINNIS M., OZDES N., SCHLEIN P., ZEYREK M. T., ZWEIZIG J., CHEZE J., ZSEMBERY J.
JOINT INTERNATIONAL LEPTON-PHOTON SYMP / EUROPHYSICS CONF ON HIGH ENERGY PHYSICS, GENEVA, İsviçre, 25 Temmuz - 01 Ağustos 1991
- VI. **TAU-NEUTRINO DETECTION WITH HYBRID TECHNIQUES**

PANMAN J., ARMENISE N., CATANESI M., MUCIACCIA M., SIMONE S., GRUWE M., MOMMAERT C., VILAIN P., WILQUET G., BEYER R., et al.
JOINT INTERNATIONAL LEPTON-PHOTON SYMP / EUROPHYSICS CONF ON HIGH ENERGY PHYSICS, GENEVA, İsviçre, 25 Temmuz - 01 Ağustos 1991

Desteklenen Projeler

Ertekin Bolelli Ş., Zeyrek M. T., Diğer Resmi Kurumlarca Desteklenen Proje, LHC CMS Deneyinde Run II ve Ötesi Verileriyle Standart Model Hassaslık Ölçümleri, Standart Model Ötesi Fizik ve Süpersimetri (SUSY) Araştırmaları, 2018 - 2021

Zeyrek M. T., UFUK 2020 Projesi, Japan and Europe Network for Neutrino and Intensity Frontier Experimental Research, 2015 - 2019

ZEYREK M. T., TÜBİTAK Projesi, Düşük Enerjilerde Antinötrino Elektron Saçılımından Standart Model Ötesi Yeni Fizik Araştırmaları Nötrinoların Tensörsel Standart Olmayan Etkileşimleri Unparticle Fiziği ve Ekstra Z prime Bozon Modelleri, 2015 - 2017

Zeyrek M. T., Diğer Resmi Kurumlarca Desteklenen Proje, LHC CMS Deneyinde Standart Model Hassaslık Ölçümleri Standart Model Ötesi Fizik ve Süpersimetri SUSY Araştırmaları, 2014 - 2017

Zeyrek M. T., Diğer Resmi Kurumlarca Desteklenen Proje, TAEK LHC deki CMS deneyinde yeni fizik etkilerinin ve gözlenebilirliklerinin araştırılması, 2011 - 2013

ZEYREK M. T., TÜBİTAK Projesi, Düşük Enerji ve Düşük Arka Plan Sinyal Seviyeli Deneylerde Kullanılan Özel Detektör Ve DAQ (Data Acquisition) Sistemleri İle Nötrino Fiziği Ve Karanlık Madde Araştırmalarının Yapılması, 2008 - 2011

Zeyrek M. T., TÜBİTAK Projesi, TÜBİTAK TBAG HD 190 CMS Deneyinde Süpersimetri ve Süpersimetrik Kökenli Kozmolojik Bulgular, 2006 - 2007

Zeyrek M. T., Diğer Ülkelerdeki Kamu Kurumları Tarafından Desteklenmiş Proje, Cooperative Research between the University of Iowa METU and Çukurova University on CMS Forward Calorimetry at LHC CERN NSF INT 9820258, 1999 - 2002

Zeyrek M. T., TÜBİTAK Uluslararası İkili İşbirliği Projesi, Software collaboration in data analysis for CERN VFCAL detector for LHC OMFH Hungary TÜBİTAK, 1997 - 2000

Zeyrek M. T., TÜBİTAK Projesi, TÜBİTAK TBAG 1591 CERN CMS deneyi için en ileri kalorimetre Very Forward Calorimeter, 1997 - 1999

Zeyrek M. T., TÜBİTAK Projesi, TÜBİTAK DPT 44 Yüksek enerjili fiziğinde bilgisayar kontrollü yeni bir mikroskop analiz sistemi ve bilgisayar programlarının geliştirilmesi, 1993 - 1995

Metrikler

Yayın: 946
Atf (WoS): 58892
Atf (Scopus): 49586
H-İndeks (WoS): 106
H-İndeks (Scopus): 97

Akademi Dışı Deneyim

ODTÜ
Texas Tech University
ODTÜ
ODTÜ
ODTÜ