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Eğitim Bilgileri

Doktora, University of Oxford-Balliol College, Fizik Bölümü, Birleşik Krallık 2004 - 2007

Yüksek Lisans, Massachusetts Institute of Technology, Fizik Bölümü, Amerika Birleşik Devletleri 2001 - 2004

Lisans Yandal, Massachusetts Institute of Technology, Müzik Bölümü, Amerika Birleşik Devletleri 1997 - 2001

Lisans, Massachusetts Institute of Technology, Fizik Bölümü, Amerika Birleşik Devletleri 1997 - 2001

Lisans Yandal, Massachusetts Institute of Technology, Matematik Bölümü, Amerika Birleşik Devletleri 1997 - 2001

Yaptığı Tezler

Doktora, Construction and performance of the ATLAS SCT barrels and cosmic tests, University Of Oxford-Balliol College, Fizik Bölümü, 2007

Yüksek Lisans, A transition radiation detector and gas supply system for AMS, Massachusetts Institute Of Technology, Fizik Bölümü, 2004

Araştırma Alanları

Malzeme Karakterizasyonu, Nükleer mühendislik ve nükleer enerji çalışmaları, Parçacık fiziği ve nükleer fizikte deneysel yöntemler ve enstrümantasyon, Radyoaktif bozunum ve in-beam spektroskopisi, Görev analizi , Uzay ortamı etkileri

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2017 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2011 - 2017

Akademik İdari Deneyim

Asli Üye, Diğer (Kurumlar,hastaneler Vb.), 2021 - Devam Ediyor

BİDEB Kurul Üyesi, Diğer (Kurumlar,hastaneler Vb.), 2020 - Devam Ediyor

Merkez Müdürü, Orta Doğu Teknik Üniversitesi, Rektörlük, Uzay ve Hızlandırıcı Teknolojiler Uygulama ve Araştırma Merkezi (İVMER), 2019 - Devam Ediyor
Üniversite Yönetim Kurulu Üyesi, CERN, Avrupa Nükleer Araştırma Merkezi/CERN Kullanıcıları Danışma Kurulu Türkiye Temsilcisi, 2015 - Devam Ediyor
Yardımcı Üye, Diğer (Kurumlar,hastaneler Vb.), 2019 - 2020
Üniversite Yönetim Kurulu Üyesi, Cern, 2014 - 2019
Yardımcı Üye, Diğer (Kurumlar,hastaneler Vb.), 2015 - 2018
Diğer(Kurumlar,Hastaneler Vb.), Kurumlar, Tübitak, 2014 - 2016
Cern, Avrupa Nükleer Araştırmalar Merkezi, Cern Kullanıcıları Danışma Kurulu, 2015 - 2015
Cern, Avrupa Nükleer Araştırmalar Merkezi, Cern Kullanıcıları Danışma Kurulu, 2014 - 2015

Yönetilen Tezler

Demirköz M. B., Measurement of helium flux and variability in low earth orbit with the alpha magnetic spectrometer, Yüksek Lisans, G.KARAGÖZ(Öğrenci), 2022
Demirköz M. B., Uzun Duran S., A novel layered boron-based neutron shield design and results from neutron and gamma irradiation studies, Yüksek Lisans, B.MUCOGLAVA(Öğrenci), 2022
DEMİRKÖZ M. B., Space radiation estimation for the Turkish lunar mission, Yüksek Lisans, B.BEKTAŞOĞLU(Öğrenci), 2022
Leloğlu U. M., DEMİRKÖZ M. B., Analysis of Relations between Solar Activity, Cosmic Rays and the Earth Climate using Machine Learning Techniques, Yüksek Lisans, B.BELEN(Öğrenci), 2021
Demirköz M. B., Hybrid Quantum-Classical Graph Neural Networks for Particle Track Reconstruction at the Large Hadron Collider, Yüksek Lisans, C.TÜYSÜZ(Öğrenci), 2021
Demirköz M. B., DESIGN AND OPTIMIZATION OF SPACE RADIATION MONITOR FOR SPACECRAFT IN LEO. ACCOMPANIED WITH PERFORMANCE TESTING AT METU-DBL, Yüksek Lisans, A.ALBARODİ(Öğrenci), 2020
Demirköz M. B., Simulation Studies of the Design of a Laser-Driven Accelerator for Performing Space Radiation Tests with EPOCH 2D, Doktora, M.YİĞİTOĞLU(Öğrenci), 2019
Akdeniz M. V., Demirköz M. B., RADIATION DAMAGE STUDIES OF BULK METALLIC GLASS MATERIALS UNDER PROTON IRRADIATION AND RADIOPROTECTION STUDIES FOR METU-DBL, Yüksek Lisans, P.USLU(Öğrenci), 2019
DEMİRKÖZ M. B., Measurement of the proton flux and variability in low earth orbit with the alpha magnetic spectrometer, Yüksek Lisans, Ç.KONAK(Öğrenci), 2019
DEMİRKÖZ M. B., Radiation environment predictions for the imece satellite and G4beamline simulations for the METU-DBL project, Yüksek Lisans, M.YİĞİTOĞLU(Öğrenci), 2017
DEMİRKÖZ M. B., Calorimetric mode photon analysis using the alpha magnetic spectrometer (AMS-02), Yüksek Lisans, C.TÜRKOĞLU(Öğrenci), 2015
DEMİRKÖZ M. B., Design of an irradiation test facility for space applications, Yüksek Lisans, D.KIZILÖREN(Öğrenci), 2014
DEMİRKÖZ M. B., Conversion mode photon analysis using the alpha magnetic spectrometer (AMS-02), Yüksek Lisans, E.POSTACI(Öğrenci), 2014

Araştırma Altyapısı Bilgileri

Demirköz M. B., ODTÜ Uzay ve Hızlandırıcı Teknolojiler Uygulama ve Araştırma Merkezi, Nisan 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Temporal Structures in Positron Spectra and Charge-Sign Effects in Galactic Cosmic Rays**
Aguilar M., Ambrosi G., Anderson H., Arruda L., Attig N., Bagwell C., Barao F., Barbanera M., Barrin L., Bartoloni A., et al.

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- II. **Ulexite/HDPE-Bi2O3/HDPE layered composites for neutron and gamma radiation shielding**
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- III. **A Novel Approach to Space Radiation Tests by Using High Power Laser Plasma Interactions**
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- IV. **Quadrupole magnet design, manufacturing and the acceptance tests for METU-defocusing beamline**
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- V. **METU-DBL: a cost effective proton irradiation facility**
KARADÖLLER E., Uzun Duran S., Kılıç U., Hashmani R., DEMİRKÖZ M. B., Efthymiopoulos I., CAN A., Çakmakoglu S., Muçogllava B., Kayaalp A., et al.
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- VI. **Properties of Cosmic-Ray Sulfur and Determination of the Composition of Primary Cosmic-Ray Carbon, Neon, Magnesium, and Sulfur: Ten-Year Results from the Alpha Magnetic Spectrometer**
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- VII. **Effect of proton irradiation on the performance of fluxgate sensors**
İÇİN K., Can H., Akyol S., Uslu Kiçeci P., Topal U., ÖZTÜRK S., DEMİRKÖZ M. B., Sözeri H.
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- VIII. **Temporal Structures in Electron Spectra and Charge Sign Effects in Galactic Cosmic Rays**
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- IX. **New monitoring interface for the AMS experiment**
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- X. **Radiation Testing of Commercial Rechargeable Lithium Polymer Batteries for Small Satellite Applications**
Muçogllava B., Karim Hashmani R., Çakmakoglu S., Demirköz M. B.
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- XI. **Properties of Daily Helium Fluxes**
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- XII. **Shield Design of the First Protective Collimator in the METU-Defocusing Beamline (DBL) Project**
UZUN DURAN S., USLU KİÇECİ P., Demirköz B.
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- XIII. **Radiation effect studies on partially crystalline bulk amorphous Fe-based metallic glass**
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- XIV. **Periodicities in the Daily Proton Fluxes from 2011 to 2019 Measured by the Alpha Magnetic Spectrometer on the International Space Station from 1 to 100 GV**
Aguilar M., Cavasonza L. A., Ambrosi G., Arruda L., Attig N., Barao F., Barrin L., Bartoloni A., Basegmez-Du Pree S., Battiston R., et al.
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- XV. **Properties of a New Group of Cosmic Nuclei: Results from the Alpha Magnetic Spectrometer on Sodium, Aluminum, and Nitrogen**

- Aguilar M., Cavasonza L. A., Alpat B., Ambrosi G., Arruda L., Attig N., Barao F., Barrin L., Bartoloni A., Başığmez-Du Pree S., et al.
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- XVI. **Properties of Heavy Secondary Fluorine Cosmic Rays: Results from the Alpha Magnetic Spectrometer**
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- XVII. **The Alpha Magnetic Spectrometer (AMS) on the international space station: Part II - Results from the first seven years**
Aguilar M., Ali Cavasonza L., Ambrosi G., Arruda L., Attig N., Barao F., Barrin L., Bartoloni A., Başığmez-du Pree S., Bates J., et al.
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- XVIII. **Properties of Iron Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer**
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- XIX. **Properties of Neon, Magnesium, and Silicon Primary Cosmic Rays Results from the Alpha Magnetic Spectrometer**
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- XX. **Metu-Defocusing Beamline : A 15-30 Mev Proton Irradiation Facility and Beam Measurement System**
DEMİRKÖZ M. B., Caner S., Akanay A., Besna B., Pelin U., Erinc K., Yusuf O., Selen A., Merve Y., Çağlar S., et al.
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- XXI. **Properties of Cosmic Helium Isotopes Measured by the Alpha Magnetic Spectrometer**
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- XXII. **METU defocusing beamline project for the first SEE tests in Turkey and the test results from the METU-DBL preliminary setup**
Demirköz B., Nigdelioğlu S., Yigitoglu M., Aydın S., Efthymiopoulos I.
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- XXIII. **Towards Understanding the Origin of Cosmic-Ray Electrons**
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- XXIV. **Towards Understanding the Origin of Cosmic-Ray Positrons**
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- XXV. **Observation of Fine Time Structures in the Cosmic Proton and Helium Fluxes with the Alpha Magnetic Spectrometer on the International Space Station**
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- XXVI. **Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes with the Alpha Magnetic Spectrometer on the International Space Station**
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- XXVII. **Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station**

- Aguilar M., Cavasonza L. A., Alpat B., Ambrosi G., Arruda L., Attig N., Aupetit S., Azzarello P., Bachlechner A., Barao F., et al.
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- XXVIII. **Observation of New Properties of Secondary Cosmic Rays Lithium, Beryllium, and Boron by the Alpha Magnetic Spectrometer on the International Space Station**
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- XXIX. **Observation of the Identical Rigidity Dependence of He, C, and O Cosmic Rays at High Rigidities by the Alpha Magnetic Spectrometer on the International Space Station**
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- XXX. **Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9 GV to 2.6 TV with the Alpha Magnetic Spectrometer on the International Space Station**
AGUILAR M., CAVASONZA L. A., AMBROSI G., ARRUDA L., ATTIG N., AUPETIT S., AZZARELLO P., BACHLECHNER A., BARAO F., BARRAU A., et al.
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- XXXI. **Antiproton Flux, Antiproton-to-Proton Flux Ratio, and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station**
Aguilar M., Alpat B., Alpat B., Ambrosi G., Arruda L., Attig N., Aupetit S., Azzarello P., Bachlechner A., Barao F., et al.
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- XXXII. **Defocusing beam line design for an irradiation facility at the TAEA SANAEM Proton Accelerator Facility**
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- XXXIII. **The ATLAS Data Acquisition and High Level Trigger system**
Abolins M., Abreu R., Achenbach R., Aharrouche M., Aielli G., Al-Shabibi A., Aleksandrov I., Alexandrov E., Allbrooke B. M., Aloisio A., et al.
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- XXXIV. **Precision Measurement of the Helium Flux in Primary Cosmic Rays of Rigidities 1.9 GV to 3 TV with the Alpha Magnetic Spectrometer on the International Space Station**
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- XXXV. **Precision Measurement of the Proton Flux in Primary Cosmic Rays from Rigidity 1 GV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station**
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- XXXVI. **Jet energy measurement and its systematic uncertainty in proton-proton collisions at root s=7 TeV with the ATLAS detector**
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- XXXVII. **Precision Measurement of the $(e^{+} + e^{-})$ Flux in Primary Cosmic Rays from 0.5 GeV to 1 TeV with the Alpha Magnetic Spectrometer on the International Space Station**
Aguilar M., Aisa D., Alpat B., Alvino A., Ambrosi G., Andeen K., Arruda L., Attig N., Azzarello P., Bachlechner A., et al.
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- XXXVIII. **Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at root s=7TeV with the ATLAS detector**
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- XL. **High Statistics Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5-500 GeV with the Alpha Magnetic Spectrometer on the International Space Station**
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- XLI. **Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010**
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- XLII. **Measurement of $\chi(c1)$ and $\chi(c2)$ production with $\sqrt{s}=7$ TeV pp collisions at ATLAS**
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- XLIII. **The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s}=7$ TeV pp collisions measured with the ATLAS detector**
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- XLIV. **Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS**
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- XLV. **Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s}=7$ TeV using the ATLAS detector**
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- XLVI. **Measurement of the production cross section of prompt j/ψ mesons in association with a W (+/-) boson in pp collisions $\sqrt{s}=7$ TeV with the ATLAS detector**
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- XLVIII. **Search for Quantum Black Hole Production in High-Invariant-Mass Lepton plus Jet Final States Using pp Collisions at $\sqrt{s}=8$ TeV and the ATLAS Detector**
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- LI. **Standalone vertex finding in the ATLAS muon spectrometer**
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- LII. **Search for Dark Matter in Events with a Hadronically Decaying W or Z Boson and Missing**

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- LIII. **Search for new phenomena in photon plus jet events collected in proton-proton collisions at root s=8 TeV with the ATLAS detector**
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- CXXII. **Search for resonant top quark plus jet production in $t(\bar{t}) + \text{jets}$ events with the ATLAS detector in pp collisions at root $s=7$ TeV**
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- CXXIII. **Measurement of the b-hadron production cross section using decays to $D^{*+} \mu X^-$ final states in pp collisions at root $s=7$ TeV with the ATLAS detector**
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- CXXIV. **Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at root $s=7$ TeV with the ATLAS Detector**
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- CXXV. **Further search for supersymmetry at root $s=7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector**
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- CXXVI. **Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at root $s=7$ TeV**
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- CXXVII. **Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector**
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- CXXVIII. **Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in root $s=7$ TeV proton-proton collisions**
Aad G., Abajyan T., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdinov O., Aben R., Abi B., Abolins M., et al.

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- CXXXIX. **Measurement of the t-channel single top-quark production cross section in pp collisions at root s=7 TeV with the ATLAS detector**
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- CXXX. **Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow l^{(+)}l^{(-)}q\bar{q}$ decay channel with the ATLAS detector**
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- CXXXI. **Measurement of the top quark pair cross section with ATLAS in pp collisions at root s=7 TeV using final states with an electron or a muon and a hadronically decaying tau lepton**
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- CXXXII. **Measurement of W gamma and Z gamma production cross sections in pp collisions at root s=7 TeV and limits on anomalous triple gauge couplings with the ATLAS detector**
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- CXXXIII. **ATLAS measurements of the properties of jets for boosted particle searches**
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- CXXXIV. **Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at root(s)=7 TeV with the ATLAS detector**
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- CXXXV. **Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector**
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- CXXXVI. **Measurement of $W^{(\pm)}Z$ production in proton-proton collisions at root s=7 TeV with the ATLAS detector**
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- CXXXVII. **Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at root s=7 TeV**
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- CXXXVIII. **Search for the Standard Model Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow l\nu l\nu$ decay mode with 4.7 fb⁻¹ of ATLAS data at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CXXXIX. **Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC**
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- CXL. **Evidence for the associated production of a W boson and a top quark in ATLAS at root s=7 TeV**
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- CXLI. **Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector**
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- CXLII. **Search for second generation scalar leptoquarks in pp collisions at root s=7 TeV with the ATLAS detector**
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- CXLIII. **Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at root s=7 TeV**
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- CXLIV. **Search for tb Resonances in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector**
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- CXLV. **Search for Pair Production of a New b ' Quark that Decays into a Z Boson and a Bottom Quark with the ATLAS Detector**
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- CXLVI. **Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector ATLAS Collaboration**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinovi O., Abi B., Abolins M., AbouZeid O. S., et al.
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- CXLVII. **Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying tau lepton in proton-proton collisions at root s=7 TeV with the ATLAS detector ATLAS Collaboration**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
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- CXLVIII. **Combined search for the Standard Model Higgs boson in pp collisions at fffffi root s=7 TeV with the ATLAS detector**
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- CXLIX. **Measurement of inclusive jet and dijet production in pp collisions at root s=7 TeV using the ATLAS detector**
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- CL. **Measurement of the azimuthal anisotropy for charged particle production in root s(NN)=2.76 TeV lead-lead collisions with the ATLAS detector**
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O. S., et al.

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- CLI. **Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel at $\sqrt{s}=7$ TeV with the ATLAS detector**
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- CLII. **Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying W Bosons**
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- CLIII. **Search for the decay $B\text{-s}(0) \rightarrow \mu^{+}\mu^{-}$ with the ATLAS detector**
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- CLIV. **Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the $W \rightarrow l\nu$ and $Z \rightarrow ll$ Cross Sections**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CLV. **Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
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- CLVI. **Measurement of tau polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV**
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- CLVII. **A search for $t(\bar{t})$ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s}=7$ TeV**
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- CLVIII. **Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector**
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- CLIX. **Search for Pair Production of a Heavy Up-Type Quark Decaying to a W Boson and a b Quark in the lepton plus jets Channel with the ATLAS Detector**
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- CLX. **Search for resonant WZ production in the $WZ \rightarrow l\nu l' l'$ channel in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector**
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- CLXI. **Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector**
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- CLXII. **Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s}=7$ TeV**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
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- CLXIII. **Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector**
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- CLXIV. **Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions**
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- CLXV. **Measurement of the WW cross section in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
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- CLXVI. **Search for FCNC single top-quark production at $\sqrt{s}=7$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CLXVII. **Search for lepton flavour violation in the e mu continuum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CLXVIII. **Measurement of $t(\bar{t})$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
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- CLXIX. **Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CLXX. **Measurement of the top quark mass with the template method in the $t(\bar{t}) \rightarrow$ lepton plus jets channel using ATLAS data**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CLXXI. **Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**

- Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S. s., et al.
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- CLXXII. **Search for contact interactions in dilepton events from pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICS LETTERS B, cilt.712, ss.40-58, 2012 (SCI-Expanded)
- CLXXIII. **Observation of Spin Correlation in t(t)over-bar Events from pp Collisions at root s=7 TeV Using the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.21, 2012 (SCI-Expanded)
- CLXXIV. **Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICAL REVIEW D, cilt.85, sa.9, 2012 (SCI-Expanded)
- CLXXV. **Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at root s=7 TeV Collected by the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.21, 2012 (SCI-Expanded)
- CLXXVI. **Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.711, ss.244-263, 2012 (SCI-Expanded)
- CLXXVII. **Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in pp Collisions at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.18, 2012 (SCI-Expanded)
- CLXXVIII. **Study of jets produced in association with a W boson in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.85, sa.9, 2012 (SCI-Expanded)
- CLXXIX. **Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at root s=7 TeV with the ATLAS experiment**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.5, 2012 (SCI-Expanded)
- CLXXX. **Search for excited leptons in proton-proton collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICAL REVIEW D, cilt.85, sa.7, 2012 (SCI-Expanded)
- CLXXXI. **Measurement of the inclusive W-+/- and Z/gamma* cross sections in the e and mu decay channels in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.85, sa.7, 2012 (SCI-Expanded)

- CLXXXII. **Search for diphoton events with large missing transverse momentum in 1 fb⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector ATLAS Collaboration**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.710, ss.519-537, 2012 (SCI-Expanded)
- CLXXXIII. **Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector ATLAS Collaboration**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICS LETTERS B, cilt.710, ss.538-556, 2012 (SCI-Expanded)
- CLXXXIV. **Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.710, sa.3, ss.363-382, 2012 (SCI-Expanded)
- CLXXXV. **Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4l$ with 4.8 fb⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with ATLAS**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid U. S., et al.
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- CLXXXVI. **Observation of a New X-b State in Radiative Transitions to $Y(1S)$ and $Y(2S)$ at ATLAS**
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- CLXXXVII. **Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector**
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- CLXXXVIII. **Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXXIX. **Combined search for the Standard Model Higgs boson using up to 4.9 fb⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC**
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- CXC. **Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions**
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- CXCI. **Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC**
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- CXCII. **Measurement of the $W(+/-)Z$ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
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- CXCIII. **Search for first generation scalar leptoquarks in pp collisions at root s=7 TeV with the ATLAS detector**
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Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CXCV. **Search for the Higgs Boson in the H -> WW*(l) -> l(+)vl(-)(v)over-bar Decay Channel in pp Collisions at root s=7 TeV with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CXCVI. **Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with 4.9 fb(-1) of pp Collision Data at root s=7 TeV with ATLAS**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.11, 2012 (SCI-Expanded)
- CXCVII. **Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CXCVIII. **Rapidity gap cross sections measured with the ATLAS detector in pp collisions at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CXCIX. **A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at root s=7 TeV with ATLAS**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CC. **Measurement of the production cross section for Z/gamma* in association with jets in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCI. **Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CCII. **Search for new physics in the dijet mass distribution using 1 fb(-1) of pp collision data at root s=7 TeV collected by the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCIII. **Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.707, sa.5, ss.418-437, 2012 (SCI-Expanded)
- CCIV. **Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCV. **Measurement of the top quark pair production cross section in pp collisions at root s=7 TeV in dilepton final states with ATLAS**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCVI. **Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCVII. **Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at root s(NN)=2.76 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.707, ss.330-348, 2012 (SCI-Expanded)
- CCVIII. **Search for New Phenomena in t(t)overbar Events with Large Missing Transverse Momentum in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.108, sa.4, 2012 (SCI-Expanded)
- CCIX. **Measurement of the ZZ Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at root s=7 TeV with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCX. **Measurement of the transverse momentum distribution of W bosons in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)
- CCXI. **Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in root s=7 TeV pp collisions using 1 fb(-1) of ATLAS data**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCXII. **Search for a heavy Standard Model Higgs boson in the channel H -> ZZ -> l(+)l(-) q(q)over-bar using the ATLAS detector**
Aad G., Abbott B., Abdallah J. J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.707, sa.1, ss.27-45, 2012 (SCI-Expanded)
- CCXIII. **Measurement of the isolated diphoton cross section in pp collisions at root s=7 TeV with the ATLAS**

detector

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)

CCXIV. K-s(0) and Lambda production in pp interactions at root s=0.9 and 7 TeV measured with the ATLAS detector at the LHC

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)

CCXV. Measurement of the W -> tau nu(tau) cross section in pp collisions at root s=7 TeV with the ATLAS experiment

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICS LETTERS B, cilt.706, ss.276-294, 2012 (SCI-Expanded)

CCXVI. Measurement of the cross-section for b-jets produced in association with a Z boson at root s=7 TeV with the ATLAS detector ATLAS Collaboration

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICS LETTERS B, cilt.706, ss.295-313, 2012 (SCI-Expanded)

CCXVII. A study of the material in the ATLAS inner detector using secondary hadronic interactions

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

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

CCXVIII. Performance of the ATLAS Trigger System

Gabaldon C.

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

CCXIX. Performance of missing transverse momentum reconstruction in proton-proton collisions at root s=7 TeV with ATLAS

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.1, 2012 (SCI-Expanded)

CCXX. Search for Dilepton Resonances in pp Collisions at root s 7 TeV with the ATLAS Detector

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW LETTERS, cilt.107, sa.27, 2011 (SCI-Expanded)

CCXXI. Measurement of the Z -> tau tau cross section with the ATLAS detector

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICAL REVIEW D, cilt.84, sa.11, 2011 (SCI-Expanded)

CCXXII. Measurement of the inclusive isolated prompt photon cross-section in pp collisions at root s=7 TeV using 35 pb(-1) of ATLAS data

Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

PHYSICS LETTERS B, cilt.706, ss.150-167, 2011 (SCI-Expanded)

CCXXIII. Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at root s=7 TeV with the ATLAS detector

Aad G., Abbott B., Abdallah J., Abdelalim A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.12, 2011 (SCI-Expanded)

CCXXIV. Search for a heavy neutral particle decaying into an electron and a muon using 1 fb(-1) of ATLAS data

- Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.12, 2011 (SCI-Expanded)
- CCXXV. **Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.12, 2011 (SCI-Expanded)
- CCXXVI. **Search for the Higgs Boson in the $H \rightarrow W W \rightarrow l \nu jj$ Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCXXVII. **Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinovi O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, sa.5, ss.452-470, 2011 (SCI-Expanded)
- CCXXVIII. **Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ(\rightarrow l^+l^-) \rightarrow 4l$ with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolin M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, sa.5, ss.435-451, 2011 (SCI-Expanded)
- CCXXIX. **Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow l^{(+)}l^{(-)}\nu(\bar{\nu})$ Decay Channel with the ATLAS Detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.22, 2011 (SCI-Expanded)
- CCXXX. **Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, sa.4, ss.294-312, 2011 (SCI-Expanded)
- CCXXXI. **Search for neutral MSSM Higgs bosons decaying to $\tau^{(+)}\tau^{(-)}$ pairs in proton-proton collisions $\sqrt{s}=7$ TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, sa.3, ss.174-192, 2011 (SCI-Expanded)
- CCXXXII. **Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector ATLAS Collaboration**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCXXXIII. **Measurement of the $\epsilon(1S)$ production cross-section in pp collisions at $\sqrt{s}=7$ TeV**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, ss.9-27, 2011 (SCI-Expanded)
- CCXXXIV. **Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.

- EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.11, 2011 (SCI-Expanded)
- CCXXXV. **Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.11, 2011 (SCI-Expanded)
- CCXXXVI. **Search for diphoton events with large missing transverse energy with 36 pb⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.10, 2011 (SCI-Expanded)
- CCXXXVII. **Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/psi production in proton-proton collisions at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
NUCLEAR PHYSICS B, cilt.850, sa.3, ss.387-444, 2011 (SCI-Expanded)
- CCXXXVIII. **Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.703, sa.4, ss.428-446, 2011 (SCI-Expanded)
- CCXXXIX. **Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.84, sa.5, 2011 (SCI-Expanded)
- CCXL. **Measurement of the inelastic proton-proton cross-section at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
NATURE COMMUNICATIONS, cilt.2, 2011 (SCI-Expanded)
- CCXLI. **Limits on the production of the standard model Higgs boson in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.9, 2011 (SCI-Expanded)
- CCXLII. **Measurement of the W+W- Cross Section in root s=7 TeV pp Collisions with ATLAS**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.4, 2011 (SCI-Expanded)
- CCXLIII. **Search for supersymmetry in pp collisions at root s=7 TeV in final states with missing transverse momentum and b-jets**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.701, sa.4, ss.398-416, 2011 (SCI-Expanded)
- CCXLIV. **Search for contact interactions in dimuon events from pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.84, sa.1, 2011 (SCI-Expanded)
- CCXLV. **Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in root s=7 TeV proton-proton collisions with the ATLAS experiment**

- Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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- CCXLVI. **Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in root s=7 TeV proton-proton collisions with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.7, 2011 (SCI-Expanded)
- CCXLVII. **Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.701, sa.1, ss.1-19, 2011 (SCI-Expanded)
- CCXLVIII. **Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.701, sa.1, ss.50-69, 2011 (SCI-Expanded)
- CCXLIX. **Measurement of the W charge asymmetry in the $W \rightarrow \mu \nu$ decay mode in pp collisions at root s=7 TeV with the ATLAS detector**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.701, sa.1, ss.31-49, 2011 (SCI-Expanded)
- CCL. **Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in root s=7 TeV pp collisions at the LHC**
Aad G., Abbott B., Abdallah J., Abdelalim A. A., Abdesselam A., Abidinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW LETTERS, cilt.106, sa.25, 2011 (SCI-Expanded)
- CCLI. **Search for pair production of first or second generation leptoquarks in proton-proton collisions at root s=7 TeV using the ATLAS detector at the LHC**
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