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

Lisans Yandal, Massachusetts Institute of Technology, Müzik 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
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Yönetilen Tezler

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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
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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
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DEMİRKÖZ M. B., Radiation environment predictions for the imece satellite and G4beamline simulations for the METU-DBL project, Yüksek Lisans, M.YİĞİTOĞLU(Öğrenci), 2017
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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

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Hashmani R., AKBAŞ E., DEMİRKÖZ M. B.

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- II. **Fabrication and Radiation Shielding Properties of (HDPE/Colemanite)-(HDPE/Bi₂O₃) Multi-Layer Composites**
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- VII. **A Novel Approach to Space Radiation Tests by Using High Power Laser Plasma Interactions**
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- IX. **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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- X. **Effect of proton irradiation on the performance of fluxgate sensors**
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- XIV. **Properties of Daily Helium Fluxes**
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- XVI. **Radiation effect studies on partially crystalline bulk amorphous Fe-based metallic glass**
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- XVIII. **Properties of a New Group of Cosmic Nuclei: Results from the Alpha Magnetic Spectrometer on Sodium, Aluminum, and Nitrogen**
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- XIX. **Properties of Heavy Secondary Fluorine Cosmic Rays: Results from the Alpha Magnetic Spectrometer**
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- XX. **The Alpha Magnetic Spectrometer (AMS) on the international space station: Part II - Results from the first seven years**
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- XXI. **Properties of Iron Primary Cosmic Rays: Results from the Alpha Magnetic Spectrometer**
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- XXIII. **Metu-Defocusing Beamline : A 15-30 Mev Proton Irradiation Facility and Beam Measurement System**
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- XXIV. **Properties of Cosmic Helium Isotopes Measured by the Alpha Magnetic Spectrometer**
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- XXV. **METU defocusing beamline project for the first SEE tests in Turkey and the test results from the METU-DBL preliminary setup**
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- XXVI. **Towards Understanding the Origin of Cosmic-Ray Electrons**
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- XXVIII. **Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station**
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- XXIX. **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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- XXX. **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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- XXXII. **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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- XXXIV. **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**
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- XXXV. **Defocusing beam line design for an irradiation facility at the TAEA SANAEM Proton Accelerator Facility**
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- XXXVI. **The ATLAS Data Acquisition and High Level Trigger system**
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- XXXVII. **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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- XXXIX. **Jet energy measurement and its systematic uncertainty in proton-proton collisions at root s=7 TeV with the ATLAS detector**
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- XL. **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**
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- XLI. **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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- XLV. **Measurement of chi(c1) and chi(c2) production with root s=7 TeV pp collisions at ATLAS**
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- XCVIII. Jet energy measurement with the ATLAS detector in proton-proton collisions at root s=7 TeV**
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- C. Multi-channel search for squarks and gluinos in root s=7 TeV pp collisions with the ATLAS detector at the LHC**
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- CI. Jet energy resolution in proton-proton collisions at root s 7 TeV recorded in 2010 with the ATLAS detector**
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- CII. Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at root S-NN=2.76 TeV with the ATLAS detector**
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- CIII. A search for high-mass resonances decaying to tau(+)tau(-) in pp collisions at root s=7 TeV with the ATLAS detector**

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- CXI. **Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV**
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- CXIII. **Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV with the ATLAS Detector**
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- CXIV. **Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector**
Aad G., Abajyan T., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdinov O., Aben R., Abi B., Abolins M., et al. PHYSICS LETTERS B, cilt.718, sa.3, ss.841-859, 2013 (SCI-Expanded)
- CXV. **Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
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- CXVI. **Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp Collision Data at $\sqrt{s}=7$ TeV with the ATLAS Detector**
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- CXVII. **Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at root s=7 TeV**
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- CXXI. **Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector**
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- CXXII. **Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector**
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.
PHYSICS LETTERS B, cilt.718, sa.2, ss.369-390, 2012 (SCI-Expanded)
- CXXIII. **Search for doubly charged Higgs bosons in like-sign dilepton final states at root s=7 TeV with the ATLAS detector**
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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- CXXIV. **ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at root s=7 TeV**
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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- CXXV. **Search for resonant top quark plus jet production in $t(\bar{t}) + jets$ events with the ATLAS detector in pp collisions at root s=7 TeV**
Aad G., Abajyan T., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdinov O., Aben R., Abi B., Abolins M., et al.
PHYSICAL REVIEW D, cilt.86, sa.9, 2012 (SCI-Expanded)
- CXXVI. **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**
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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- CXXVII. **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**
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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- CXXVIII. **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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- CXXXIX. **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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- CXXX. **Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions 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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- CXXXI. **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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- CXXXII. **Measurement of the t-channel single top-quark production cross section in pp collisions at root 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., et al.
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- CXXXIII. **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**
Aad G., Abbott B., Abdallah J., Khalek S. A., Abdelalim A. A., Abdinov O., Abi B., Abolins M., AbouZeid S., Abramowicz H., et al.
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- CXXXIV. **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**
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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- CXXXV. **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**
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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- CXXXVI. **ATLAS measurements of the properties of jets for boosted particle searches**
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.
PHYSICAL REVIEW D, cilt.86, sa.7, 2012 (SCI-Expanded)
- CXXXVII. **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**
Aad G., Abbott B., Abdallah J., Thalek S. A., Abdelalim A. A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
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- CXXXVIII. **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**
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 $W^{(\pm)}Z$ production in proton-proton collisions at root s=7 TeV with the ATLAS detector**
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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- 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. **Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at root s=7 TeV**
Aad G., Abbott B., Abdallah J., Abdelahm A. A., Abdesselam A., Abdinov O., Abi B., Abolins M., AbouZeid O. S., Abramowicz H., et al.
PHYSICS LETTERS B, cilt.716, sa.1, ss.122-141, 2012 (SCI-Expanded)
- CXLII. **Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC**
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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- CXLIII. **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.
PHYSICS LETTERS B, cilt.716, sa.1, ss.62-81, 2012 (SCI-Expanded)
- CXLIV. **Measurement of the azimuthal ordering of charged hadrons 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.86, sa.5, 2012 (SCI-Expanded)
- CXLV. **Search for second generation scalar leptoquarks in pp collisions at root 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., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.9, 2012 (SCI-Expanded)
- CXLVI. **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**
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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- CXLVII. **Search for tb Resonances in Proton-Proton Collisions at root 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., et al.
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- CXLVIII. **Search for Pair Production of a New b' Quark that Decays into a Z Boson and a Bottom Quark 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., et al.
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- CXLIX. **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.
PHYSICS LETTERS B, cilt.714, ss.180-196, 2012 (SCI-Expanded)
- CL. **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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- CLI. **Combined search for the Standard Model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector**
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- CLII. **Measurement of inclusive jet and dijet 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., Abramowicz H., Abreu H., et al.
PHYSICAL REVIEW D, cilt.86, sa.1, 2012 (SCI-Expanded)
- CLIII. **Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s(NN)}=2.76$ TeV lead-lead collisions 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., et al.
PHYSICAL REVIEW C, cilt.86, sa.1, 2012 (SCI-Expanded)
- CLIV. **Search for pair-produced heavy quarks decaying to Wq in the two-lepton channel 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.
PHYSICAL REVIEW D, cilt.86, sa.1, 2012 (SCI-Expanded)
- CLV. **Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying W Bosons**
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.109, sa.3, 2012 (SCI-Expanded)
- CLVI. **Search for the decay $B_s(0) \rightarrow \mu^+\mu^-$ with the ATLAS detector**
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.
PHYSICS LETTERS B, cilt.713, ss.387-407, 2012 (SCI-Expanded)
- CLVII. **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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- CLVIII. **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**
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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- CLIX. **Measurement of tau polarization in $W \rightarrow \tau \nu$ decays 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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- CLX. **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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- CLXI. **Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector**
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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- CLXII. **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**
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.26, 2012 (SCI-Expanded)
- CLXIII. **Search for resonant WZ production in the WZ \rightarrow $l\nu l' \bar{l}'$ channel in $\sqrt{s}=7$ TeV pp collisions 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., et al.
PHYSICAL REVIEW D, cilt.85, sa.11, 2012 (SCI-Expanded)
- CLXIV. **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**
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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- CLXV. **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**
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 D, cilt.85, sa.11, 2012 (SCI-Expanded)
- CLXVI. **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**
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- CLXVII. **Measurement of the W W 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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- CLXVIII. **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**
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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- CLXIX. **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.
PHYSICS LETTERS B, cilt.712, ss.351-369, 2012 (SCI-Expanded)
- CLXX. **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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- CLXXI. **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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- CLXXII. **Measurement of the charge asymmetry in top quark pair production in pp collisions at root 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.
EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.6, 2012 (SCI-Expanded)
- CLXXIII. **Measurement of t(t)over-bar production with a veto on additional central jet activity in 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.
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- CLXXIV. **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)
- CLXXV. **Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at root 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.
PHYSICS LETTERS B, cilt.712, ss.22-39, 2012 (SCI-Expanded)
- CLXXVI. **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)
- CLXXVII. **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)
- CLXXVIII. **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.
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- CLXXIX. **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)
- CLXXX. **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)
- CLXXXI. **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)
- CLXXXII. **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)
- CLXXXIII. **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)
- CLXXXIV. **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)
- CLXXXV. **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.
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- CLXXXVI. **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**
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- :LXXXVIII. **Search for the Standard Model Higgs boson in the decay channel H -> ZZ((*)) -> 4l with 4.8 fb(-1) of pp collision data at root s=7 TeV with ATLAS**
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- CXC. **Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at root s=7 TeV**
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root s=7 TeV with the ATLAS detector at the LHC

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CXCIV. Search for strong gravity signatures in same-sign dimuon final states using 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.

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CXCVII. Search for first generation scalar leptoquarks 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., AbouZeid O. S., Abramowicz H., et al.

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CXCVIII. Search for the Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow l^{(+)}\nu l^{(-)}\bar{\nu}$ Decay Channel in pp Collisions at root s=7 TeV with the ATLAS Detector

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CXCIX. 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.

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CC. 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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CCI. Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data

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CCII. 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.

PHYSICS LETTERS B, cilt.708, ss.221-240, 2012 (SCI-Expanded)

CCIII. Measurement of the production cross section for Z/γ^* 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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- CCIV. **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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- CCV. **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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- 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 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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- CCVIII. **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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- CCIX. **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.
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- CCX. **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)
- CCXI. **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.
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- CCXII. **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**
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- CCXIII. **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.

- PHYSICAL REVIEW D, cilt.85, sa.1, 2012 (SCI-Expanded)
- CCXIV. **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.
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- CCXV. **Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow l^{(+)}l^{(-)} q\bar{q}$ 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)
- CCXVI. **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.
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- CCXVII. **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)
- CCXVIII. **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)
- CCXIX. **Measurement of the $W \rightarrow \tau \nu(\tau)$ 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)
- CCXX. **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.
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- CCXXI. **Performance of the ATLAS Trigger System**
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- CCXXII. **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.
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- CCXXIII. **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.
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- CCXXIV. **Measurement of the $Z \rightarrow \tau \tau$ 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)

- CCXXV. **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)
- CCXXVI. **Search for massive colored scalars in four-jet final states in root 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.
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- CCXXVII. **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)
- CCXXVIII. **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.
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- CCXXIX. **Search for the Higgs Boson in the H -> WW -> l nu jj 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.
PHYSICAL REVIEW LETTERS, cilt.107, sa.23, 2011 (SCI-Expanded)
- CCXXX. **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., Abdinovi O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.705, sa.5, ss.452-470, 2011 (SCI-Expanded)
- CCXXXI. **Search for the Standard Model Higgs boson in the decay channel H -> ZZ((-)*(-)) -> 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)
- CCXXXII. **Search for a Standard Model Higgs Boson in the H -> ZZ -> l(+)-l(-)v(v)over-bar 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)
- CCXXXIII. **Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in root 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)
- CCXXXIV. **Search for neutral MSSM Higgs bosons decaying to tau(+)tau(-) pairs in proton-proton collisions 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.705, sa.3, ss.174-192, 2011 (SCI-Expanded)
- CCXXXV. **Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb(-1) of pp**

collisions at root $s=7$ 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.

PHYSICS LETTERS B, cilt.705, ss.28-46, 2011 (SCI-Expanded)

CCXXXVI. Measurement of the $\text{Upsilon}(1S)$ production cross-section 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.705, ss.9-27, 2011 (SCI-Expanded)

CCXXXVII. 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)

:CXXXVIII. 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)

CCXXXIX. 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)

CCXL. Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ 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)

CCXLI. 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)

CCXLII. 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)

CCXLIII. 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)

CCXLIV. 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)

CCXLV. 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)

- CCXLVI. **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)
- CCXLVII. **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., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.7, 2011 (SCI-Expanded)
- CCXLVIII. **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)
- CCXLIX. **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., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.71, sa.7, 2011 (SCI-Expanded)
- CCL. **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., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
PHYSICS LETTERS B, cilt.701, sa.1, ss.50-69, 2011 (SCI-Expanded)
- CCLI. **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., Abdinov O., Abi B., Abolins M., Abramowicz H., Abreu H., et al.
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Bilimsel Kuruluşlardaki Üyelikler / Görevler

TÜBA, Asli Üye, 2020 - Devam Ediyor , Türkiye

CERN Kullanıcıları Danışma Kurulu, Danışma Kurulu Üyesi, 2015 - Devam Ediyor , İsviçre

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Kongre ve Sempozyum Katılımı Faaliyetleri

EaPEC 2022, Davetli Konuşmacı, Baku, Azerbaycan, 2022

1.Orta Doğu Uzay Atölye Testi, Davetli Konuşmacı, İstanbul, Türkiye, 2019

2.Astrofest Etkinliği, Davetli Konuşmacı, Nevşehir, Türkiye, 2019

Davetli Konuşmalar

Uzay Radyasyonu ve Bir CERN İşbirliği Projesi, Seminer, Bursa Uludağ Üniversitesi, Türkiye, Aralık 2019

Uzay Radyasyonu Ortamı Test Laboratuvarı Projesi: Bir CERN İşbirliği, Seminer, Recep Tayyip Erdoğan Üniversitesi, Türkiye, Kasım 2019

Bilimde Kadın Olmak ve Teknoloji Üretmek, Seminer, Özel Üsküdar SEV Okulları, Türkiye, Mayıs 2019

Uzay Radyasyonu ve Bir CERN İşbirliği Projesi, Seminer, Muş Alparslan Üniversitesi, Türkiye, Nisan 2019

Uzay Radyasyonu ve Bir CERN İşbirliği Projesi, Seminer, Orta Doğu Teknik Üniversitesi, Türkiye, Nisan 2019

Pizza Seminerleri, Seminer, Orta Doğu Teknik Üniversitesi, Türkiye, Nisan 2019

Uzay Radyasyonu ve Bir CERN İşbirliği Projesi, Seminer, İbni Sina Anadolu Lisesi, Türkiye, Nisan 2019

Ödüller

Demirköz M. B., Genç Bilim İnsanı, Türkiye İç Denetim Enstitüsü, Ekim 2023

Demirköz M. B., ISIF'23 Altın Madalya, Bilim Sanayi Ve Teknoloji Bakanlığı, Nisan 2023

Demirköz M. B., Uzun Duran S., ISIF'23 Gümüş Madalya, Bilim Sanayi Ve Teknoloji Bakanlığı, Nisan 2023

Demirköz M. B., Bilime Katkı Ödülü, Bahattin Tatış Yarınlarında Var Olmak Ödülleri, Kasım 2022

Demirköz M. B., Akademi Kültür ve Bilim Ödülleri Yılın Temel Bilimler Ödülü, Tümbifed, Mart 2021

Demirköz M. B., Elginkan Vakfı Teknoloji Geliştirme Ödülü, Elginkan Vakfı, Mart 2019

Demirköz M. B., YÖK Üstün Başarı Kurumsal Ödülü, Yüksek Öğrenim Kurulu, Eylül 2017

Demirköz M. B., Profesyonel Başarı Ödülü, British Council, Şubat 2017

Akademi Dışı Deneyim

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Sivil Toplum Kuruluşu, Dünya Ekonomik Forumu, Küresel Liderler

Diğer, Diğer (Kurumlar,hastaneler Vb.)

Diğer, Diğer (Kurumlar,hastaneler Vb.)

Sivil Toplum Kuruluşu, YUNUS EMRE ENSTİTÜSÜ, Üye

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TÜRKİYE ATOM ENERJİSİ KURUMU (TAEK)

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