

Prof. Dr. MUHAMMED DENİZ



Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: I-2517-2017

ScopusID: 55336221200

Yoksis Araştırmacı ID: 31987

Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2000
- 2007

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli),
Türkiye 1998 - 2000

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye
1994 - 1998

Biyografi

I graduated from Department of Physics of Middle East Technical University in 1998 and I start Master of Science in the same university after that. I got my master degree with the thesis based on the studies I am involved in the CHORUS Experiment at CERN, Switzerland in 2000. Then I joined the TEXONO Collaboration in 2004. I got my PhD degree from an international collaboration with Middle East Technical University, Turkey and Institute of Physics, Academia Sinica, Taiwan as a member of TEXONO Collaboration in 2007. I completed my Ph.D. thesis in the measurement of neutrino-electron scattering cross section and weak interaction parameters in 2007. After my graduation I have experienced two-term Post-Doctoral for four years at TEXONO Collaboration. I got a staff member position and returned to Turkey in 2011. Currently, I am working at Department of Physics, Dokuz Eylül University as a full professor. I am interested in neutrino physics, dark matter and some other studies related to new physics beyond the Standard Model.

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Measurement of SM electro-weak parameters in reactor antineutrino-electron scattering in TEXONO experiment, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2007
Yüksek Lisans, "White King" background in the CHORUS Experiment, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2000

Araştırma Alanları

Fizik, Yüksek Enerji Fiziği, Fizik, Nötrino Fiziği, Nükleer Fizik, Temel Parçacıklar ve Alanlar, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2017 - Devam Ediyor
Doç. Dr., Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2017
Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2011 - 2012
Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2011 - 2011
Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Fizik Bölümü, 2007 - 2011

Akademik İdari Deneyim

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2021 - Devam Ediyor
Anabilim/Bilim Dalı Başkanı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - Devam Ediyor
BAP Bilimsel Komisyon Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - 2023
Dekan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2022 - 2022
Bölüm Başkanı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2022 - 2022
Rektörlük Kalite Komisyonu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2019 - 2022
Bölüm Başkanı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - 2021
Fakülte Kurulu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2020 - 2021
Erasmus Koordinatörü, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2021
Fakülte Yönetim Kurulu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2019 - 2020
Senato Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2019 - 2020
Fakülte Kurulu Üyesi, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2017 - 2020
Farabi Koordinatörü, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2020
Mevlana Değişim Programı Koordinatörü, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2012 - 2020
Bölüm Başkan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2013 - 2015
Anabilim/Bilim Dalı Başkanı, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Fizik, 2012 - 2012

Verdiği Dersler

Temel Fizik-I, Lisans, 2022 - 2023
Kuantum Mekaniği-I, Lisans, 2022 - 2023
Herkes için Kuantum Fiziği, Lisans, 2022 - 2023, 2021 - 2022
INTRODUCTORY TO ELEMENTARY PARTICLE PHYSICS-II, Yüksek Lisans, 2019 - 2020
INTRODUCTORY TO ELEMENTARY PARTICLE PHYSICS-I, Yüksek Lisans, 2019 - 2020, 2017 - 2018
PHYSICS II, Lisans, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
QUANTUM MECHANICS-II, Lisans, 2017 - 2018
PHYSICS-I, Lisans, 2017 - 2018
QUANTUM MECHANICS-I, Lisans, 2017 - 2018

Data Analysis Techniques for High Energy Physics-II, Yüksek Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Quantum Physics, Lisans, 2016 - 2017
Particle Physics I, Doktora, 2015 - 2016
Relativistic Quantum Theory, Doktora, 2015 - 2016
Physics IV, Lisans, 2015 - 2016
Fizikte Veri Analizi, Lisans, 2014 - 2015, 2013 - 2014
Quantum Theory II, Doktora, 2014 - 2015
Data Analysis Techniques for High Energy Physics I, Doktora, 2014 - 2015
Elektronik, Lisans, 2013 - 2014, 2012 - 2013
Dark Matter Search, Yüksek Lisans, 2013 - 2014
Optik ve Akustik, Lisans, 2013 - 2014
Quantum Theory I, Doktora, 2012 - 2013

Yönetilen Tezler

DENİZ M., Coherent neutrino nucleus scattering, Yüksek Lisans, M.KAYA(Öğrenci), 2019
DENİZ M., Characterization of neutron and high purity germanium detectors with advanced data acquisition system and measurement of neutron background at the Kuo-Sheng neutrino laboratory, Yüksek Lisans, A.SONAY(Öğrenci), 2018
DENİZ M., Little Higgs boson models research via neutrino-electron elastic scattering channel at low energy, Yüksek Lisans, A.AJJAQ(Öğrenci), 2018
DENİZ M., Nötrino-elektron saçılım kanalından ekstra Z-prime ayar bozon araştırmaları, Yüksek Lisans, A.ŞEN(Öğrenci), 2016
DENİZ M., Nötrino-elektron saçılım kanalından nötrinoların standart olmayan etkileşimleri, Yüksek Lisans, B.SEVDA(Öğrenci), 2015
DENİZ M., Measurement of neutron background in Kuo-Sheng neutrino laboratory, Yüksek Lisans, İ.OZAN(Öğrenci), 2012
DENİZ M., Study on non standard interaction of neutrino and unparticle physics with neutrino-electron scattering data at low energy in texono experiment, Yüksek Lisans, S.BİLMİŞ(Öğrenci), 2010

Jüri Üyelikleri

Tez Savunma (Doktora), Tez Savunma (Doktora), Orta Doğu Teknik Üniversitesi, Ocak, 2024
Doçentlik Sınavı, Doçentlik Sınavı, Ankara Üniversitesi, Eylül, 2021
Doktora Tez İzleme Komitesi (TİK) Üyeliği, Doktora Tez İzleme Komitesi (TİK) Üyeliği, İstanbul Teknik Üniversitesi, Eylül, 2021
Doçentlik Sınavı, Doçentlik Sınavı, UAK, Temmuz, 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **High-accuracy measurement of Compton scattering in germanium for dark matter searches**
Jia H., Lin S., Liu S., Chi H., Deniz M., Fang C., Gu P., Jiang X., Shu Y., Li Q., et al.
NUCLEAR SCIENCE AND TECHNIQUES/HEWULI, cilt.33, sa.157, ss.1-13, 2022 (SCI-Expanded)
- II. **Studies of quantum-mechanical coherency effects in neutrino-nucleus elastic scattering**
Sharma V., Singh L., Wong H. T., Agartioğlu M., Chen J. W., Deniz M., Kerman S., Li H. B., Liu C. P., Saraswat K., et al.
PHYSICAL REVIEW D, cilt.103, sa.9, 2021 (SCI-Expanded)
- III. **Constraints on millicharged particles with low-threshold germanium detectors at Kuo-Sheng Reactor Neutrino Laboratory**
Singh L., Chen J. W., Chi H. C., Liu C., Pandey M. K., Wong H. T., Wu C. P., Agartioğlu M., DENİZ M., Li H. B., et al.

PHYSICAL REVIEW D, cilt.99, sa.3, 2019 (SCI-Expanded)

- IV. **Neutron background measurements with a hybrid neutron detector at the Kuo-Sheng Reactor Neutrino Laboratory**
Sonay A., DENİZ M., Wong H. T., Agartioğlu M., Asryan G., Chen J. H., Kerman S., Li H. B., Li J., Lin F. K., et al.
PHYSICAL REVIEW C, cilt.98, sa.2, 2018 (SCI-Expanded)
- V. **Design and performance of a hybrid fast and thermal neutron detector**
Singh M. K., Sonay A., DENİZ M., Agartioğlu M., Asryan G., Kumar G. K., Li H. B., Li J., Lin F. K., Lin S. T., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.868, ss.109-118, 2017 (SCI-Expanded)
- VI. **Constraints on nonstandard intermediate boson exchange models from neutrino-electron scattering**
Sevda B., Sen A., DEMİRCİ M., DENİZ M., Agartioğlu M., Ajjaq A., Kerman S., Singh L., Sonay A., Wong H. T., et al.
PHYSICAL REVIEW D, cilt.96, sa.3, 2017 (SCI-Expanded)
- VII. **Measurement of the mass difference between top quark and antiquark in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.770, ss.50-71, 2017 (SCI-Expanded)
- VIII. **Constraints on scalar-pseudoscalar and tensorial nonstandard interactions and tensorial unparticle couplings from neutrino-electron scattering**
DENİZ M., Sevda B., Kerman S., Ajjaq A., Singh L., Wong H. T., Zeyrek M.
PHYSICAL REVIEW D, cilt.95, sa.3, 2017 (SCI-Expanded)
- IX. **Characterization and performance of germanium detectors with sub-keV sensitivities for neutrino and dark matter experiments**
Soma A. K., Singh M. K., Singh L., Kumar G. K., Lin F. K., Du Q., Jiang H., Liu S. K., Ma J. L., Sharma V., et al.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, cilt.836, ss.67-82, 2016 (SCI-Expanded)
- X. **Coherency in neutrino-nucleus elastic scattering**
Kerman S., Sharma V., DENİZ M., Wong H. T., Chen J., Li H. B., Lin S. T., Liu C., Yue Q.
PHYSICAL REVIEW D, cilt.93, sa.11, 2016 (SCI-Expanded)
- XI. **Constraints on dark photon from neutrino-electron scattering experiments**
Bilmis S., Turan İ., Aliyev T., Deniz M., Singh L., Wong H. T.
PHYSICAL REVIEW D, cilt.92, sa.3, 2015 (SCI-Expanded)
- XII. **Search for supersymmetry with razor variables in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, cilt.90, sa.11, 2014 (SCI-Expanded)
- XIII. **Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at root s=7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.11, 2014 (SCI-Expanded)
- XIV. **Description and performance of track and primary-vertex reconstruction with the CMS tracker**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.9, 2014 (SCI-Expanded)
- XV. **Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at root s=8 TeV by the CMS and TOTEM experiments**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.10, 2014 (SCI-Expanded)
- XVI. **Measurement of the ratio of inclusive jet cross sections using the anti-k(T) algorithm with radius**

parameters $R=0.5$ and 0.7 in pp collisions at $\sqrt{s}=7$ TeV

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

PHYSICAL REVIEW D, cilt.90, sa.7, 2014 (SCI-Expanded)

XVII. Evidence of b-Jet Quenching in PbPb Collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

PHYSICAL REVIEW LETTERS, cilt.113, sa.13, 2014 (SCI-Expanded)

XVIII. Measurement of the muon charge asymmetry in inclusive pp $\rightarrow$ W plus X production at $\sqrt{s}=7$ TeV and an improved determination of light parton distribution functions

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

PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)

XIX. Measurement of WZ and ZZ production in pp collisions at in final states with b-tagged jets

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

EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)

XX. Search for WW gamma and WZ gamma production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=8$ TeV

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

PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)

XXI. Measurement of jet multiplicity distributions in $t(\bar{t})$ production in pp collisions at $\sqrt{s}=7$ TeV

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

EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)

XXII. Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes

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

EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.8, 2014 (SCI-Expanded)

XXIII. Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s}=8$ TeV

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

PHYSICAL REVIEW D, cilt.90, sa.3, 2014 (SCI-Expanded)

XXIV. Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV

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

PHYSICAL REVIEW C, cilt.90, sa.2, 2014 (SCI-Expanded)

XXV. Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV

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

EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.7, 2014 (SCI-Expanded)

XXVI. Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV

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

PHYSICS LETTERS B, cilt.735, ss.204-225, 2014 (SCI-Expanded)

- XXVII. **Search for supersymmetry in pp collisions at root s=8 TeV in events with a single lepton, large jet multiplicity, and multiple b jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.733, ss.328-353, 2014 (SCI-Expanded)
- XXVIII. **Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- XXIX. **Observation of the Associated Production of a Single Top Quark - and a W Boson in pp Collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.112, sa.23, 2014 (SCI-Expanded)
- XXX. **Measurement of the triple-differential cross section for photon plus jets production in proton-proton collisions at=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- XXXI. **Alignment of the CMS tracker with LHC and cosmic ray data**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.9, 2014 (SCI-Expanded)
- XXXII. **Probing color coherence effects in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.6, 2014 (SCI-Expanded)
- XXXIII. **Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- XXXIV. **Study of the production of charged pions, kaons, and protons in pPb collisions at root SNN=5.02 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.6, 2014 (SCI-Expanded)
- XXXV. **Observation of a peaking structure in the J/psi phi mass spectrum from B-+/- -> J/psi phi K-+/- decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.734, ss.261-281, 2014 (SCI-Expanded)
- XXXVI. **Search for pair production of excited top quarks in the lepton plus jets final state**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2014 (SCI-Expanded)
- XXXVII. **Measurements of t(t)over-bar Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

PHYSICAL REVIEW LETTERS, cilt.112, sa.18, 2014 (SCI-Expanded)

XXXVIII. **Measurement of four-jet production in proton-proton collisions at root s=7 TeV**

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

PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)

XXXIX. **Search for $W' \rightarrow tb$ decays in the lepton plus jets final state in pp collisions at root s=8 TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2014 (SCI-Expanded)

XL. **Measurement of the properties of a Higgs boson in the four-lepton final state**

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

PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)

XLI. **Evidence for the 125 GeV Higgs boson decaying to a pair of tau leptons**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2014 (SCI-Expanded)

XLII. **Measurement of the W gamma and Z gamma inclusive cross sections in pp collisions at root s=7 TeV and limits on anomalous triple gauge boson couplings**

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

PHYSICAL REVIEW D, cilt.89, sa.9, 2014 (SCI-Expanded)

XLIII. **Search for Flavor-Changing Neutral Currents in Top-Quark Decays $t \rightarrow Zq$ in pp Collisions at root s=8 TeV**

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

PHYSICAL REVIEW LETTERS, cilt.112, sa.17, 2014 (SCI-Expanded)

XLIV. **Search for baryon number violation in top-quark decays**

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

PHYSICS LETTERS B, cilt.731, ss.173-196, 2014 (SCI-Expanded)

XLV. **Search for Top-Quark Partners with Charge 5/3 in the Same-Sign Dilepton Final State**

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

PHYSICAL REVIEW LETTERS, cilt.112, sa.17, 2014 (SCI-Expanded)

XLVI. **Differentiation of bulk and surface events in p-type point-contact germanium detectors for light WIMP searches**

Li H. B., Singh L., Singh M. K., Soma A. K., Tseng C. H., Yang S. W., Agartioğlu M., Asryan G., Chuang Y. C., DENİZ M., et al.

ASTROPARTICLE PHYSICS, cilt.56, ss.1-8, 2014 (SCI-Expanded)

XLVII. **Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at root s(NN)=2.76 TeV**

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

PHYSICAL REVIEW C, cilt.89, sa.4, 2014 (SCI-Expanded)

XLVIII. **Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays**

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XLIX. **Event activity dependence of (nS) production in=5.02 TeV pPb and=2.76 TeV pp collisions**

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JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2014 (SCI-Expanded)

- L. **Measurement of the top-quark mass in all-jets $t(\bar{t})$ events in pp collisions at $\sqrt{s}=7$ TeV**
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- LI. **Measurements of the $t(\bar{t})$ Overbar charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
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- LII. **Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s}=8$ TeV**
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PHYSICS LETTERS B, cilt.730, ss.193-214, 2014 (SCI-Expanded)
- LIIL. **Study of double parton scattering using $W+2$ -jet events in proton-proton collisions at $\sqrt{s}=7$ TeV**
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- LIV. **Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
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- LV. **Measurement of the $t(\bar{t})$ over-bar production cross section in the dilepton channel in pp collisions at $\sqrt{s}=8$ TeV**
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- LVI. **Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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- LVII. **Measurement of associated W plus charm production in pp collisions at $\sqrt{s}=7$ TeV**
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- LVIII. **Inclusive search for a vector-like T quark with charge $2/3$ in pp collisions at $\sqrt{s}=8$ TeV**
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- LX. **Determination of the top-quark pole mass and strong coupling constant from the $t(\bar{t})$ over-bar production cross section in pp collisions at $\sqrt{s}=7$ TeV**
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- LXI. **Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s}=8$ TeV**

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

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- LXII. **Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- LXIX. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**

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

PHYSICS LETTERS B, cilt.727, sa.1-3, ss.57-76, 2013 (SCI-Expanded)

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

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

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

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

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

- PHYSICS LETTERS B, cilt.727, sa.1-3, ss.101-125, 2013 (SCI-Expanded)
- LXXII. **Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^{*0} \mu^{+} \mu^{-}$**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
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- LXXIII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- LXXIV. **The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s}=7$ TeV at the LHC**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- LXXV. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
 PHYSICAL REVIEW LETTERS, cilt.111, sa.22, 2013 (SCI-Expanded)
- LXXVI. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s}=7$ and 8 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
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- LXXVII. **Measurement of the W-boson helicity in top-quark decays from $t(\bar{t})$ production in lepton plus jets events in pp collisions at $\sqrt{s}=7$ TeV**
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- LXXVIII. **Measurement of the $W+W^-$ cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings**
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- LXXIX. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
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- LXXX. **Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV**
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- LXXXI. **Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s}=7$ TeV and first determination of the strong coupling constant in the TeV range**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.10, 2013 (SCI-Expanded)
- LXXXII. **Measurement of the production cross section for $Z \gamma \rightarrow \nu(\bar{\nu}) \gamma$ in pp collisions at $\sqrt{s}=7$ TeV and limits on ZZ gamma and Z gamma gamma triple gauge boson couplings**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)

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

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

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

- LXXXIV. **Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at root $s=7$ TeV**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- XCI. **Measurement of the $\Lambda_b(0)$ lifetime in pp collisions at root $s=7$ TeV**

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

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

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

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

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

- XCIII. **Search for microscopic black holes in pp collisions at root $s=8$ TeV**

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

Friedl M., et al.

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

- XCIV. Study of exclusive two-photon production of $W+W^-$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings**

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

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

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

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

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- XCVI. Measurement of masses in the $t(\bar{t})$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV**

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

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

- XCVII. Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=8$ TeV**

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

PHYSICAL REVIEW D, cilt.87, sa.11, 2013 (SCI-Expanded)

- XCVIII. Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the CMS detector**

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

PHYSICAL REVIEW D, cilt.87, sa.11, 2013 (SCI-Expanded)

- XCIX. Search for heavy resonances in the W/Z -tagged dijet mass spectrum in pp collisions at 7 TeV**

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

PHYSICS LETTERS B, cilt.723, sa.4-5, ss.280-301, 2013 (SCI-Expanded)

- C. Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.6, 2013 (SCI-Expanded)

- CI. Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2013 (SCI-Expanded)

- CII. Limits on Spin-Independent Couplings of WIMP Dark Matter with a p-Type Point-Contact Germanium Detector**

Li H. B., Liao H. Y., Lin S. T., Liu S. K., Singh L., Singh M. K., Soma A. K., Wong H. T., Wu Y. C., Zhao W., et al.

PHYSICAL REVIEW LETTERS, cilt.110, sa.26, 2013 (SCI-Expanded)

- CIII. Search for anomalous production of highly boosted Z bosons decaying to $\mu^{(+)}\mu^{(-)}$ in proton-proton collisions at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.722, sa.1-3, ss.28-47, 2013 (SCI-Expanded)

- CIV. Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum**

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

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- CV. **Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV**

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

PHYSICS LETTERS B, cilt.722, sa.4-5, ss.207-232, 2013 (SCI-Expanded)

- CVI. **Measurement of the $t(\bar{t})$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2013 (SCI-Expanded)

- CVII. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.722, sa.4-5, ss.238-261, 2013 (SCI-Expanded)

- CVIII. **Studies of jet mass in dijet and W/Z plus jet events**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2013 (SCI-Expanded)

- CIX. **Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC**

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

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- CX. **Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV**

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

PHYSICAL REVIEW D, cilt.87, sa.9, 2013 (SCI-Expanded)

- CXI. **Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.722, sa.1-3, ss.5-27, 2013 (SCI-Expanded)

- CXII. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.722, sa.4-5, ss.273-294, 2013 (SCI-Expanded)

- CXIII. **Measurement of the $X(3872)$ production cross section via decays to $J/\psi \pi^+ \pi^-$ in pp collisions at $\sqrt{s}=7$ TeV**

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

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- CXIV. **Search for Z' resonances decaying to $t(\bar{t})$ in dilepton plus jets final states in pp collisions at $\sqrt{s}=7$ TeV**

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

PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)

- CXV. **Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s}=7$ TeV**

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

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- CXVI. **Measurement of the $W+W^-$ and ZZ production cross sections in pp collisions at $\sqrt{s}=8$ TeV**
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- CXVII. **Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76$, and 7 TeV**
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- CXVIII. **Measurement of the $t(\bar{t})$ production cross section in the tau plus jets channel in pp collisions at $\sqrt{s}=7$ TeV**
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- CXIX. **Identification of b-quark jets with the CMS experiment**
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- CXX. **Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CXXI. **Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- CXXII. **Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC**
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- CXXVII. **Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse**

energy in proton-proton collisions at root s=7 TeV

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CXXVIII. Measurement of differential top-quark-pair production cross sections in pp collisions at root s=7 TeV

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CXXIX. Search for excited leptons in pp collisions at root s=7 TeV

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CXXX. Search for new physics in events with same-sign dileptons and b jets in pp collisions at root s=8 TeV

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CXXXI. Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV

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CXXXII. Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV

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CXXXIII. Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at root s=7 TeV

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CXXXIV. Search for contact interactions in mu(+)mu(-) events in pp collisions at root s = 7 TeV

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CXXXV. Search in leptonic channels for heavy resonances decaying to long-lived neutral particles

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CXXXVI. Search for exotic resonances decaying into WZ/ZZ in pp collisions at root s=7 TeV

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CXXXVII. Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs

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CXXXVIII. Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV

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- CXLI. **Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at root S-NN=2.76 TeV**
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- CXLII. **Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CXLIV. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=7 TeV**
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- CXLV. **Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at root s(NN)=2.76 TeV**
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- CXLVI. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Collaboration C. M. S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CXLVII. **Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at root s=7 TeV**
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- CXLVIII. **Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at root s=7 TeV**
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- CXLIX. **Search for a W ' boson decaying to a bottom quark and a top quark in pp collisions at root s=7 TeV**

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

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- CL. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q(q)\overline{b}l^{+}l^{-}$ final state**

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

PHYSICS LETTERS B, cilt.718, sa.4-5, ss.1208-1228, 2013 (SCI-Expanded)

- CLII. **Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or ≥ 3 b-quark jets in 7 TeV pp collisions using the variable $\alpha(T)$**

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

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- CLII. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC**

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- CLIII. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**

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

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

- CLIV. **Search for three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV**

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

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

- CLV. **Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV**

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

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- CLVI. **Search for heavy Majorana neutrinos in $\mu^{+/-}\mu^{+/-} + \text{jets}$ and $e^{+/-}e^{+/-} + \text{jets}$ events in pp collisions at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.717, sa.1-3, ss.109-128, 2012 (SCI-Expanded)

- CLVII. **Inclusive and differential measurements of the $t(\overline{t})$ charge asymmetry in proton-proton collisions $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.717, sa.1-3, ss.129-150, 2012 (SCI-Expanded)

- CLVIII. **Search for charge-asymmetric production of $W^{\pm}$ bosons in $t(\overline{t})$ plus jet events from pp collisions at $\sqrt{s}=7$ TeV**

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

PHYSICS LETTERS B, cilt.717, sa.4-5, ss.351-370, 2012 (SCI-Expanded)

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

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

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

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

energy in pp collisions at root s=7 TeV

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

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

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

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

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

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

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

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

CLXIII. Search for a fermiophobic Higgs boson in pp collisions at root s=7 TeV

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

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CLXIV. Search for leptonic decays of $W^\pm$ bosons in pp collisions at root s=7TeV

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

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

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

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

PHYSICS LETTERS B, cilt.715, sa.1-3, ss.66-87, 2012 (SCI-Expanded)

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

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

PHYSICS LETTERS B, cilt.714, sa.2-5, ss.158-179, 2012 (SCI-Expanded)

CLXVII. Measurement of the $\Lambda(b)$ cross section and the $\Lambda(b)$ to $\Lambda(b)$ ratio with J/ψ $\Lambda(b)$ decays in pp collisions at root s=7 TeV CMS Collaboration

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

PHYSICS LETTERS B, cilt.714, sa.2-5, ss.136-157, 2012 (SCI-Expanded)

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

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

PHYSICS LETTERS B, cilt.713, sa.4-5, ss.408-433, 2012 (SCI-Expanded)

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

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

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

CLXX. Jet momentum dependence of jet quenching in PbPb collisions at root s(NN)=2.76 TeV

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

PHYSICS LETTERS B, cilt.712, sa.3, ss.176-197, 2012 (SCI-Expanded)

CLXXI. Measurement of the cross section for production of $b(\bar{b})$ decaying to muons in pp collisions at root s=7TeV

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

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

- CLXXII. **Search for large extra dimensions in dimuon and dielectron events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.711, sa.1, ss.15-34, 2012 (SCI-Expanded)
- CLXXIII. **Search for the standard model Higgs boson decaying into two photons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.3, ss.403-425, 2012 (SCI-Expanded)
- CLXXIV. **Constraints on a noncommutative physics scale with neutrino-electron scattering**
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PHYSICAL REVIEW D, cilt.85, sa.7, 2012 (SCI-Expanded)
- CLXXV. **Search for B-S(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) decays**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CLXXVI. **Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.2, ss.284-306, 2012 (SCI-Expanded)
- CLXXVII. **Measurement of isolated photon production in pp and PbPb collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.2, ss.256-277, 2012 (SCI-Expanded)
- CLXXVIII. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.709, sa.1-2, ss.28-49, 2012 (SCI-Expanded)
- CLXXIX. **Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.1, ss.26-48, 2012 (SCI-Expanded)
- CLXXX. **Search for the standard model Higgs boson decaying to W+W- in the fully leptonic final state in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.710, sa.1, ss.91-113, 2012 (SCI-Expanded)
- CLXXXI. **Search for B-s(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) Decays in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, cilt.107, sa.19, 2011 (SCI-Expanded)
- CLXXXII. **Search for physics beyond the standard model using multilepton signatures in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.704, sa.5, ss.411-433, 2011 (SCI-Expanded)
- CLXXXIII. **A search for excited leptons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C.,

- Fried M., et al.
PHYSICS LETTERS B, cilt.704, sa.3, ss.143-162, 2011 (SCI-Expanded)
- CLXXXIV. **Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, cilt.704, sa.3, ss.123-142, 2011 (SCI-Expanded)
- CLXXXV. **Search for first generation scalar leptoquarks in the $e \nu jj$ channel in pp collisions at $\sqrt{s}=7$ TeV**
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