

Prof. MUHAMMED DENİZ



Personal Information

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International Researcher IDs

ScholarID: avU1tvGAAAAJ

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

ScopusID: 55336221200

Yoksis Researcher ID: 31987

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik (Dr), Turkey 2000 - 2007

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik (Yl) (Tezli), Turkey 1998 - 2000

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1994 - 1998

Biography

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 Eylul 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.

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Measurement of SM electro-weak parameters in reactor antineutrino-electron scattering in TEXONO experiment, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik (Dr), 2007
Postgraduate, "White King" background in the CHORUS Experiment, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Fizik (Yl) (Tezli), 2000

Research Areas

Physics, High Energy Physics, Physics, Neutrino Physics, Nuclear physics, Basic Particles and Areas, Natural Sciences

Academic Titles / Tasks

Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2017 - Continues
Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2012 - 2017
Associate Professor, Karadeniz Technical University, Fen Fakültesi, Fizik Bölümü, 2011 - 2012
Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Fizik Bölümü, 2011 - 2011
Lecturer PhD, Middle East Technical University, Fizik Bölümü, 2007 - 2011

Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2021 - Continues
Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 - Continues
BAP Scientific Commissioner, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 - 2023
Vice Dean, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2022 - 2022
Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2022 - 2022
Rektörlük Kalite Komisyonu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2019 - 2022
Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 - 2021
Fakülte Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2020 - 2021
Erasmus Coordinator, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2012 - 2021
Fakülte Yönetim Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2019 - 2020
Member of the Senate, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2019 - 2020
Fakülte Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2017 - 2020
Farabi Coordinator, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2012 - 2020
Mevlana Exchange Program Coordinator, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2012 - 2020
Deputy Head of Department, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2013 - 2015
Head of Department, Karadeniz Technical University, Fen Fakültesi, Fizik, 2012 - 2012

Courses

Temel Fizik-I, Undergraduate, 2022 - 2023
Quantum Mechanics-I, Undergraduate, 2022 - 2023
Quantum Physics for Everyone, Undergraduate, 2022 - 2023, 2021 - 2022
INTRODUCTORY TO ELEMENTARY PARTICLE PHYSICS-II, Postgraduate, 2019 - 2020
INTRODUCTORY TO ELEMENTARY PARTICLE PHYSICS-I, Postgraduate, 2019 - 2020, 2017 - 2018
PHYSICS II, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012
QUANTUM MECHANİCS-II, Undergraduate, 2017 - 2018
PHYSİCS-I, Undergraduate, 2017 - 2018
QUANTUM MECHANİCS-I, Undergraduate, 2017 - 2018

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

Advising Theses

DENİZ M., Koherent nötrino nükleus saçılımı, Postgraduate, M.KAYA(Student), 2019
DENİZ M., İleri veri toplama sistemi ile nötron ve yüksek saflıkta germanyum detektörlerinin karakterizasyonu ve Kuo-Sheng nötrino laboratuvar ortamındaki nötron arka-alan ölçümü, Postgraduate, A.SONAY(Student), 2018
DENİZ M., Nötrino-elektron elastik saçılım kanalından düşük enerjilerde little Higgs model araştırmaları, Postgraduate, A.AJJAQ(Student), 2018
DENİZ M., Extra Z-prime gauge boson research via neutrino-electron scattering channel, Postgraduate, A.ŞEN(Student), 2016
DENİZ M., Non-standard neutrino interaction via neutrino-electron scattering channel, Postgraduate, B.SEVDA(Student), 2015
DENİZ M., Measurement of neutron background in Kuo-Sheng neutrino laboratory, Postgraduate, İ.OZAN(Student), 2012
DENİZ M., Study on non standard interaction of neutrino and unparticle physics with neutrino-electron scattering data at low energy in texono experiment, Postgraduate, S.BİLMİŞ(Student), 2010

Jury Memberships

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, January, 2024
Associate Professor Exam, Associate Professor Exam, Ankara Üniversitesi, September, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, September, 2021
Associate Professor Exam, Associate Professor Exam, UAK, July, 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- 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, vol.33, no.157, pp.1-13, 2022 (SCI-Expanded)
- II. **Studies of quantum-mechanical coherency effects in neutrino-nucleus elastic scattering**
Sharma V., Singh L., Wong H. T., Agartioglu M., Chen J. W., Deniz M., Kerman S., Li H. B., Liu C. P., Saraswat K., et al.
PHYSICAL REVIEW D, vol.103, no.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., Agartioglu M., DENİZ M., Li H. B., et al.
PHYSICAL REVIEW D, vol.99, no.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, vol.98, no.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, vol.868, pp.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, vol.96, no.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, vol.770, pp.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, vol.95, no.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, vol.836, pp.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, vol.93, no.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, vol.92, no.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, vol.90, no.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, vol.74, no.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, vol.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, vol.74, no.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 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, vol.90, no.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, vol.113, no.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, vol.90, no.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, vol.74, no.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, vol.90, no.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, vol.74, no.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, vol.74, no.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, vol.90, no.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, vol.90, no.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, vol.74, no.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, vol.735, pp.204-225, 2014 (SCI-Expanded)

XXVII. Search for supersymmetry in pp collisions at $\sqrt{s}=8$ TeV in events with a single lepton, large jet

multiplicity, and multiple b jets

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

PHYSICS LETTERS B, vol.733, pp.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, no.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, vol.112, no.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, no.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, vol.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, vol.74, no.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, no.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, vol.74, no.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, vol.734, pp.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, no.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, vol.112, no.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, vol.89, no.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, no.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, vol.89, no.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, no.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, vol.89, no.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, vol.112, no.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, vol.731, pp.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, vol.112, no.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., Agartioglu M., Asryan G., Chuang Y. C., DENİZ M., et al.
 ASTROPARTICLE PHYSICS, vol.56, pp.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, vol.89, no.4, 2014 (SCI-Expanded)
- XLVIII. **Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
 PHYSICAL REVIEW LETTERS, vol.112, no.16, 2014 (SCI-Expanded)
- XLIX. **Event activity dependence of (nS) production in=5.02 TeV pPb and=2.76 TeV pp collisions**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, no.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**
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, vol.74, no.4, 2014 (SCI-Expanded)

- 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.

JOURNAL OF HIGH ENERGY PHYSICS, no.4, 2014 (SCI-Expanded)

- LII. **Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s}=8$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.

PHYSICS LETTERS B, vol.730, pp.193-214, 2014 (SCI-Expanded)

- LIII. **Study of double parton scattering using W+2-jet events in proton-proton 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.

JOURNAL OF HIGH ENERGY PHYSICS, no.3, 2014 (SCI-Expanded)

- LIV. **Modification of jet shapes in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
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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 $\sqrt{s}=2.76$ 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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- LIX. **Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks**
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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**
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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**
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- LXV. **Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV**
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- LXVI. **Search for top-squark pair production in the single-lepton final state in pp collisions at root s=8 TeV**
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- LXX. **Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV**
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- LXXI. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV**
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- LXXII. **Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$**
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- LXXV. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
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- LXXVI. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s}=7$ and 8 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**
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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**
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- 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**
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- 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 $\sqrt{s}=8$ TeV**

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

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

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

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- 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**

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

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

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

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

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

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- XCIII. **Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV**

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- 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**

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

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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., Eroee J., Fabjan C., Friedl M., et al.

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- 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., Eroee J., Fabjan C., et al.

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

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

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- 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., Eroee J., Fabjan C., Friedl M., et al.

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

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

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- CI. 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., Eroee J., Fabjan C., et al.

PHYSICS LETTERS B, vol.722, no.1-3, pp.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., Eroee 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**
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- CVI. **Measurement of the $t\bar{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV**
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- CVII. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at $\sqrt{s}=7$ TeV**
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- CVIII. **Studies of jet mass in dijet and W/Z plus jet events**
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- CIX. **Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC**
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- CX. **Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV**
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- CXI. **Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV**
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- CXII. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s}=7$ TeV**
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- 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.
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- 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**

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

PHYSICS LETTERS B, vol.721, no.4-5, pp.190-211, 2013 (SCI-Expanded)

CXVII. Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76$, and 7 TeV

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

JOURNAL OF HIGH ENERGY PHYSICS, no.4, 2013 (SCI-Expanded)

CXVIII. Measurement of the $t\bar{t}$ production cross section in the tau plus jets channel in pp collisions at $\sqrt{s}=7$ TeV

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

EUROPEAN PHYSICAL JOURNAL C, vol.73, no.4, 2013 (SCI-Expanded)

CXIX. Identification of b-quark jets with the CMS experiment

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

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.

PHYSICAL REVIEW D, vol.87, no.7, 2013 (SCI-Expanded)

CXXI. Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=7$ TeV

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

PHYSICAL REVIEW LETTERS, vol.110, no.17, 2013 (SCI-Expanded)

CXXII. Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC

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

PHYSICAL REVIEW D, vol.87, no.7, 2013 (SCI-Expanded)

CXXIII. Search for contact interactions using the inclusive jet $p(T)$ spectrum in pp collisions at $\sqrt{s}=7$ TeV

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

PHYSICAL REVIEW D, vol.87, no.5, 2013 (SCI-Expanded)

CXXIV. Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV with lepton plus jets final states

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

PHYSICS LETTERS B, vol.720, no.1-3, pp.83-104, 2013 (SCI-Expanded)

CXXV. Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV and $\sqrt{s}=8$ TeV

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

PHYSICS LETTERS B, vol.720, no.1-3, pp.63-82, 2013 (SCI-Expanded)

CXXVI. Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV

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

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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 $\sqrt{s}=7$ TeV

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

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

EUROPEAN PHYSICAL JOURNAL C, vol.73, no.3, 2013 (SCI-Expanded)

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

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

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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

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

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

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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

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

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

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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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- 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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- 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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- CL. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q(q)\text{over-bar}l(+)l(-)$ final state**
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- 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 $\alpha(T)$**
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- CLIV. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV**
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- CLV. **Search for three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV**
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- CLVI. **Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV**
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- CLVII. **Search for heavy Majorana neutrinos in $\mu(+/-)\mu(+/-) + \text{jets}$ and $e(+/-)e(+/-) + \text{jets}$ events in pp collisions at $\sqrt{s}=7$ TeV**
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- CLIX. **Search for charge-asymmetric production of $W^\pm$ bosons in $t(t)\text{over-bar}$ plus jet events from pp collisions at $\sqrt{s}=7$ TeV**
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- CLX. **Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- CXCV. **First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV**
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- CCIII. **Constraints on nonstandard neutrino interactions and unparticle physics with (nu) over bar (e)-e(-) scattering at the Kuo-Sheng nuclear power reactor**
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DENİZ M., Lin S. T., Singh V., Li J., Wong H. T., BİLMİŞ S., Chang C. Y., Chang H. M., Chang W. C., Chen C. P., et al.
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- CCVII. **Search of neutrino magnetic moments with a high-purity germanium detector at the Kuo-Sheng nuclear power station**
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- CCVIII. **Measurement of the intrinsic radiopurity of (CS)-C-137/U-235/U-238/Th-232 in CsI(Tl) crystal scintillators**

Refereed Congress / Symposium Publications in Proceedings

- I. **Nonstandard Interaction of Neutrinos**
DENİZ M., Wong H. T.
FIRST INTERNATIONAL BILATERAL WORKSHOP ON SCIENCE BETWEEN DOKUZ EYLÜL UNIVERSITY AND
AZERBAIJAN NATIONAL ACADEMY OF SCIENCES, İzmir, Turkey, 19 November 2021
- II. **Constraints on Nonstandard Neutrino Interaction from Neutrino Electron Scattering**
DENİZ M., Wong H. T.
16th International Conference on Topics in Astroparticle and Underground Physics (TAUP), Toyama, Japan, 9 - 13
September 2019, vol.1468
- III. **The Large Enriched Germanium Experiment for Neutrinoless Double Beta Decay (LEGEND)**
Abgrall N., Abramov A., Abrosimov N., Abt I., Agostini M., Agartioğlu M., Ajjaq A., Alvis S., Avignone F., Bai X., et al.
Workshop on Calculation of Double-Beta-Decay Matrix Elements (MEDEX), Prague, Czech Republic, 29 May - 02
June 2017, vol.1894
- IV. **Hibrit Bir Nötron Detektörü ile Nötron Arka alan Ölçümü**
Sonay A., DENİZ M.
XI. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Kuşadası/Aydın, Turkey, 12 - 14 October 2016
- V. **Nötrino Elektron Saçılımında Standart Model Ötesi Çalışmalar**
Şen A., Sonay A., DENİZ M.
XI. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 12 - 14 October 2016
- VI. **Constraining new physics with neutrino-electron scattering**
Deniz M.
The 4th International Symposium on Neutrinos and Dark Matter in Nuclear Physics, Nara, Japan, 11 - 15 June
2012, pp.1
- VII. **Final results of νe bar electron scattering cross section measurements and constraints on new physics**
Deniz M., Bilmiş S., Henry W.
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- VIII. **Measurement of νe bar Electron Scattering Cross Section with a CsI Tl Scintillating Crystal Array at the Kuo Sheng Nuclear Power Reactor**
Deniz M., Bilmiş S., Wong H. T.
Neutrino 2010, Athens, Greece, 14 - 19 June 2010, vol.498, pp.229-232
- IX. **Measurement of νe bar electron Scattering Cross Section and Constraints on New Physics with a CsI Tl Crystal Array at the Kuo Sheng Reactor Laboratory**
Deniz M., Bilmiş S., Wong H.
International Europhysics Conference on High Energy Physics (EPS-HEP11), Grenoble, France, 21 - 27 July 2011,
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- X. **Final results of $(\nu)\overline{\nu}e$ - e scattering cross-section measurements and constraints on new physics**
Deniz M., Bilmiş S., Wong H. T.
12th International Conference on Topics in Astroparticle and Underground Physics (TAUP), Munich, Germany, 5 -
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- XI. **Limits on Low Mass WIMP Dark Matter with an Ultra Low Energy Germanium Detector at 220 eV Threshold**
Lin S. T., Deniz M., Wong H. T.

International Europhysics Conference on High Energy Physics (EPS-HEP09), Krakow, Poland, 16 - 22 July 2009, vol.92

XII. Measurement of Neutrino Electron Scattering Cross Section and the Electroweak Parameters at the Kuo Sheng Reactor Neutrino Laboratory

Deniz M., Lin S. T., Wong H. T.

International Europhysics Conference on High Energy Physics (EPS-HEP09), Krakow, Poland, 16 - 22 July 2009, vol.285

XIII. Measurement of Neutrino Electron Scattering Cross Section and the EW Parameters at the Kuo Sheng Reactor Neutrino Laboratory

Deniz M., Lin S. T., Wong H. T.

The 11th International Workshop on Topics in Astroparticle and Underground Physics (TAUP09), Rome, Italy, 1 - 05 June 2009, vol.203, pp.12099

XIV. Studies of Neutrino Electron Scattering at the Kuo Sheng Reactor Neutrino Laboratory

Deniz M., Wong H. T.

34th International Conference on High Energy Physics (ICHEP08), Pennsylvania, United States Of America, 30 July - 05 August 2008

XV. Prospects of Cold Dark Matter Searches with an Ultra Low Energy Germanium Detector

Wong H. T., Deniz M., Li H. B., Lin S. K., Lin S. T., Li J., Li X., Ruan X. C., Singh V., Yue Q., et al.

Prospects of Cold Dark Matter Searches with an Ultra-Low-Energy Germanium Detector, Sendai, Japan, 11 - 15 September 2007, vol.120, pp.42013

XVI. Search of Axions from a Nuclear Power Reactor with a High Purity Germanium Detector

Chang H. M., Wong H. T., Chou M. H., Deniz M., Huang H. X., Lee F. S., Li H. B., Li J., Liao H. Y., Lin S. T., et al.

The 10th International Workshop on Topics in Astroparticle and Underground Physics (TAUP07), Sendai, Japan, 11 - 15 September 2007, vol.120, pp.42012

Supported Projects

Deniz M., Lin S. T., Project Supported by Public Organizations in Other Countries, Dark Matter Searches, 2019 - 2030

Deniz M., Wong H., Project Supported by Public Organizations in Other Countries, Low Energy Neutrino Physics and Dark Matter Searches with Ultra Low Energy Ultra Low Background Germanium Detectors, 2011 - 2030

Deniz M., Qian Y., Project Supported by Public Organizations in Other Countries, Dark Matter and Neutrinoless Double Beta Decay Searches at CJPL , 2010 - 2030

Deniz M., Zeyrek M. T., Project Supported by Other Official Institutions, Searches of New Physics Using Machine Learning, Standard Model Precision Measurements and Searches of Exotic Hadrons at the LHC CMS Experiment Using Run II – Run III Data and at the HL-LHC, 2022 - 2025

Deniz M., Zeyrek M. T., Project Supported by Other Official Institutions, Standard Model Precision Measurements, Beyond the Standard Model Physics and Supersymmetry (SUSY) Searches at the LHC CMS Experiment Using Run II Data and Beyond , 2018 - 2021

Deniz M., TUBITAK Project, Düşük Enerjilerde Antinötrino Elektron Saçılımından Standart Model Ötesi Yeni Fizik Araştırmaları Nötrinoların Tensörsel Standart Olmayan Etkileşimleri Unparticle Fiziği ve Ekstra Z prime Bozon Modelleri, 2015 - 2017

Deniz M., Zeyrek M. T., Project Supported by Other Official Institutions, Standard Model Precision Measurements, Beyond the Standard Model Physics and Supersymmetry (SUSY) Searches at the LHC CMS Experiment , 2014 - 2017

Deniz M., Zeyrek M. T., Project Supported by Other Official Institutions, Investigation of new physics effects and their observabilities in the CMS experiment at the LHC, 2011 - 2013

Deniz M., Zeyrek M. T., TUBITAK Project, Düşük Enerji ve Düşük Arka Plan Sinyal Seviyeli Deneylerde Kullanılan Özel Detektör ve DAQ Data Acquisition Sistemleri ile Nötrino Fiziği ve Karanlık Madde Araştırmalarının Yapılması, 2008 - 2011

Activities in Scientific Journals

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, Editor, 2020 - Continues

Metrics

Publication: 229

Citation (WoS): 17154

Citation (Scopus): 1195

H-Index (WoS): 74

H-Index (Scopus): 13

Congress and Symposium Activities

Mustafa Prize Award Ceremony, Attendee, Tehran, Iran, 2023

16th International Conference on Topics in Astroparticle and Underground Physics (TAUP), Invited Speaker, Toyama, Japan, 2019

The 4th International Symposium on Neutrinos and Dark Matter in Nuclear Physics, Invited Speaker, Nara, Japan, 2012

The 12th International Conference on Topics in Astroparticle and Underground Physics (TAUP11), Invited Speaker, Munich, Germany, 2011

International Europhysics Conference on High Energy Physics (EPS-HEP11), Invited Speaker, Grenoble, France, 2011

Neutrino 2010, Invited Speaker, Athens, Greece, 2010

Academia Sinica (AS) Seminar, Invited Speaker, Taipei, Taiwan, 2010

National Cheng-Kung University (NCKU) Seminar, Invited Speaker, Tainan, Taiwan, 2010

International Europhysics Conference on High Energy Physics (EPS-HEP09), Invited Speaker, Krakow, Poland, 2009

International Europhysics Conference on High Energy Physics (EPS-HEP09), Invited Speaker, Krakow, Poland, 2009

The 11th International Conference on Topics in Astroparticle and Underground Physics (TAUP09), Invited Speaker, Rome, Italy, 2009

The Eighth Particle Physics Phenomenology Workshop (PPP8), Invited Speaker, Tainan, Taiwan, 2009

3rd Sino-Korean Workshop on Dark Matter Search, Invited Speaker, Haikou, China, 2008

34th International Conference on High Energy Physics (ICHEP08), Invited Speaker, Pennsylvania, United States Of America, 2008

The Physics Society of Republic of China (PSRoC), Invited Speaker, Hsinchuang, Taiwan, 2008

2nd Korea-China Joint Seminar, Invited Speaker, Seoul, South Korea, 2007

1st Sino-Korean Workshop on Dark Matter Search, Invited Speaker, Beijing, China, 2006

2006 Workshop on the Underground Experiment at Yangyang, an extension of TEXONO – KIMS (The Korea Invisible Mass) Collaboration Meeting, Invited Speaker, Gangwon-Do, South Korea, 2006

Scholarships

Research Program on Neutrino Physics and Dark Matter Research, Other International Organizations, 2007 - 2011

Research Program on Neutrino Physics at Kuo Sheng Laboratory, Other International Organizations, 2004 - 2007

Bilimadamı Yetiştirme Grubu (BAYG), TUBITAK, 1998 - 2002

COHORUS Experiment, Other International Organizations, 1999 - 2000