

Prof.Dr. EDA EŐKUT

Kiőisel Bilgiler

E-posta: eeskut@cu.edu.tr

Web: <https://avesis.cu.edu.tr//eeskut>

Posta Adresi: ukurova niversitesi, Fen-Edebiyat Fakltesi, Fizik Blm Sarıam-ADANA

Uluslararası Araőtırmacı ID'leri

ORCID: 0000-0001-8328-3314

Publons / Web Of Science ResearcherID: B-8905-2018

ScopusID: 6602158406

Yoksis Araőtırmacı ID: 4571

Eėitim Bilgileri

Doktora, ukurova niversitesi, Fen Bilimleri Enstits, Fizik, Trkiye 1987 - 1992

Yksek Lisans, ukurova niversitesi, Fen Bilimleri Enstits, Fizik, Trkiye 1983 - 1986

Lisans, ukurova niversitesi, Fen Edebiyat Fakltesi, Fizik, Trkiye 1979 - 1983

Yabancı Diller

İngilizce, B2 Orta st

Yaptıėı Tezler

Doktora, Production of Secondaries at Supercollider Energies , ukurova niversitesi, Fizik, Yksek Enerji Fiziėi, 1992

Yksek Lisans, Yksek Enerjili Elastik Hadronik Saılma ile İlgili Deneysel Veriler ve Fenomenoloji , ukurova niversitesi, Fizik, Fizik/Yksek Enerji Fiziėi, 1986

Araőtırma Alanları

Fizik, Temel Paracıklar ve Alanlar , Temel Bilimler

Akademik Unvanlar / Grevler

Prof.Dr., ukurova niversitesi, Fen-Edebiyat Fakltesi, Fizik, 2001 - Devam Ediyor

Do.Dr., ukurova niversitesi, Fen-Edebiyat Fakltesi, Fizik, 1995 - 2001

Yrd.Do.Dr., ukurova niversitesi, Fen-Edebiyat Fakltesi, Fizik, 1993 - 1995

Araőtırma Grevlisi, ukurova niversitesi, Fen-Edebiyat Fakltesi, Fizik, 1984 - 1993

Akademik İdari Deneyim

ukurova niversitesi, Fizik, Fizik, 2010 - Devam Ediyor

Çukurova Üniversitesi, Fizik, Fizik, 2003 - 2006

Çukurova Üniversitesi, Fen Edebiyat Fakültesi, 2002 - 2005

Yönetilen Tezler

Eşkut E., 13 TeV'lik pp Çarpışmalarında Enerji Akışının CMS Deneyi ile Ölçülmesi, Doktora, E.PINAR(Öğrenci), 2023

Eşkut E., İleri hadronik kalorimetre (HF)'in LED'lerinde gözlenen tekrleme problemi, Yüksek Lisans, B.KAPLAN(Öğrenci), 2022

Eşkut E., DETERMINATION OF THE JET ENERGY SCALE CORRECTIONS FOR THE LOW PT JETS IN PROTON-PROTON COLLISIONS AT $\sqrt{s}=13$ TeV WITH THE CMS EXPERIMENT, Doktora, Z.Şeyma(Öğrenci), 2020

Eşkut E., İLERİ BÖLGE JETLERİ İÇİN BELİRLENEN JET ENERJİ DÜZELTME FAKTÖRLERİNİN TESTİ, Yüksek Lisans, A.ŞAHİN(Öğrenci), 2020

Eşkut E., CMS DEDEKTÖRÜNÜN HB KALORİMETRESİNDE YENİLENEN KALİBRASYON BİRİMLERİNİN LAZER TESTLERİ ANALİZİ, Yüksek Lisans, B.Tuğçe(Öğrenci), 2020

EŞKUT E., Measurement of Energy Density as a Function of Pseudorapidity in proton-proton Collisions at 13 TeV with the CMS Experiment LHC, Doktora, Ç.Zorbilmez(Öğrenci), 2019

EŞKUT E., Hadronik İleri Kalorimetre (HF)'de Kullanılan QIE10 Kartlarının Pedestal,CAPID, ICI Testleri, Yüksek Lisans, İ.Baldan(Öğrenci), 2017

EŞKUT E., Measurements of Inclusive Low-PT Jets Cross-Section and Azimuthal Angle Decorrelation of Jets with Large Rapidity Separation Using Run I CMS Data, Doktora, İ.Hoş(Öğrenci), 2016

EŞKUT E., Inclusive Forward Jet Cross Section Measurement in Proton-Proton Collisions at $\sqrt{s}=7$ TeV, Doktora, S.Girgis(Öğrenci), 2014

EŞKUT E., İleri Hadronik Kalorimetre HF)'de Kullanılacak olan Yeni Foto Çoğaltıcı Tüp (FÇT)'lerin Testleri ve Farklı Jet Algoritmalarında ve Jet Tiplerinde Jet Analizi, Yüksek Lisans, F.Hayal(Öğrenci), 2013

EŞKUT E., CMS Deneyindeki HB ve HE Kalorimetresindeki HFD'lerin Gürültü Analizleri ve HO Test Düzenindeki SiFÇ'lerin Self Trigger Analizi, Yüksek Lisans, Z.Şeyma(Öğrenci), 2013

EŞKUT E., CMS'deki Hadronik Dış Kalorimetre (HO) için HO904 Kararlılık Testlerinde LED Analizi, Yüksek Lisans, M.Özcan(Öğrenci), 2013

EŞKUT E., CMS'deki ZDC Dedektörü İçim Akım Ayırıcı Devre, Yüksek Lisans, Ç.Zorbilmez(Öğrenci), 2012

EŞKUT E., CMS'in HF Detektöründeki FÇT(Foto Çoğaltıcı Tüp)'lerin Yüksek Voltaj Altındaki Davranışlarının İncelenmesi (, Yüksek Lisans, E.Pnar(Öğrenci), 2009

EŞKUT E., Performance Improvement of an AGATA Segmented Germanium Detector, Doktora, S.Aydın(Öğrenci), 2009

EŞKUT E., Low-x QCD with Jets in the CMS Hadron Forward Calorimeter in Proton-Proton Collisions at 14 TeV and Test Studies of Forward Calorimeters, Doktora, S.Çerçi(Öğrenci), 2009

EŞKUT E., CMS CASTOR Detektöründe Kullanılan Kuvartz Plakaların Ütetiilmesi ve Dedektöre Montajı, Yüksek Lisans, A.Ayhan(Öğrenci), 2009

EŞKUT E., ATLAS MDT'leri için hodoskop sistemi, Yüksek Lisans, H.Şahiner(Öğrenci), 2007

EŞKUT E., CMS (Compact Muon Solenoid) Deneyindeki CASTOR Detektörünün Test Veri Analizleri, Yüksek Lisans, N.Aksay(Öğrenci), 2006

EŞKUT E., Study of the Response of the CMS Hadron Calorimeter, Doktora, S.Esen(Öğrenci), 2006

EŞKUT E., 12C+12C ve 16O+16O nükleer reaksiyonlarının esnek ve esnek olmayan etkileşmelerinin yeni çiftlenim potansiyeli kullanılarak incelenmesi, Yüksek Lisans, S.Aydın(Öğrenci), 2004

EŞKUT E., CMS Deneyinde CP Kırınımı, Yüksek Lisans, S.Çerçi(Öğrenci), 2003

EŞKUT E., Nötrino Fizikinde Son Gelişmeler, Yüksek Lisans, H.Topaklı(Öğrenci), 2003

EŞKUT E., CMS Deneyinde Araştırılacak Fizik Konuları, Yüksek Lisans, S.Esen(Öğrenci), 2001

EŞKUT E., CMS (Compact Muon Solenoid) Deneyinde Kullanılacak Olan VFCAL (En İleri Kalorimetre)'in Enerji Lineerliliği, Yüksek Lisans, S.Sancar(Öğrenci), 2000

EŞKUT E., Güneşsel ve Atmosferik Nötrino Problemleri, Yüksek Lisans, H.Öztürk(Öğrenci), 1997

Jüri Üyelikleri

Doçentlik Snavı, Doçentlik sınavında jüri üyesi, Ankara Üniversitesi, Mart, 2017
Doçentlik Snavı, Doçentlik sınavı, Eskişehir Üniversitesi, Nisan, 2015
Doçentlik Snavı, Doçentlik Snav Jürisi, ÜAK/Boğaziçi Üniv., Haziran, 2014
Doçentlik Snavı, Doçentlik Snav Jürisi, ÜAK/Boğaziçi Üniv., Ekim, 2013
Doçentlik Snavı, Doçentlik Snav Jürisi, ÜAK/Ankara TOBB Univ., Temmuz, 2012
Doçentlik Snavı, Doçentlik Snav Jürisi, ÜAK/Çukurova Üniv., Nisan, 2010

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Search for the lepton flavor violating $\tau \rightarrow 3\mu$ decay in proton-proton collisions at $s=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.853, 2024 (SCI-Expanded)
- II. **Search for an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle in proton-proton collisions at $s=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.852, 2024 (SCI-Expanded)
- III. **Observation of $WW\gamma$ Production and Search for $H\gamma$ Production in Proton-Proton Collisions at $\sqrt{s}=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Physical Review Letters, cilt.132, sa.12, 2024 (SCI-Expanded)
- IV. **New Structures in the Formula Presented Mass Spectrum in Proton-Proton Collisions at Formula Presented**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Physical Review Letters, cilt.132, sa.11, 2024 (SCI-Expanded)
- V. **Study of azimuthal anisotropy of $Y(1S)$ mesons in pPb collisions at $s_{NN} = 8.16\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.850, 2024 (SCI-Expanded)
- VI. **Measurements of azimuthal anisotropy of nonprompt D^0 mesons in PbPb collisions at $s_{NN}=5.02\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.850, 2024 (SCI-Expanded)
- VII. **Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at $s=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.850, 2024 (SCI-Expanded)
- VIII. **Search for Scalar Leptoquarks Produced via τ -Lepton-Quark Scattering in pp Collisions at $\sqrt{s}=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Physical review letters, cilt.132, sa.6, ss.61801, 2024 (SCI-Expanded)
- IX. **Muon identification using multivariate techniques in the CMS experiment in proton-proton collisions at $\sqrt{S} = 13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M.,

Escalante Del Valle A., Hussain P., et al.

Journal of Instrumentation, cilt.19, sa.2, 2024 (SCI-Expanded)

- X. **Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at Formula Presented TeV**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Physical Review C, cilt.109, sa.2, 2024 (SCI-Expanded)
- XI. **Search for Inelastic Dark Matter in Events with Two Displaced Muons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Del Valle A. E., Frühwirth R., et al.
Physical Review Letters, cilt.132, sa.4, 2024 (SCI-Expanded)
- XII. **Evidence for the Higgs Boson Decay to a Z Boson and a Photon at the LHC**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.
Physical review letters, cilt.132, sa.2, ss.21803, 2024 (SCI-Expanded)
- XIII. **Measurement of the τ lepton polarization in Z boson decays in proton-proton collisions at (Formula presented.)**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Journal of High Energy Physics, cilt.2024, sa.1, 2024 (SCI-Expanded)
- XIV. **Measurement of the production cross section for a W boson in association with a charm quark in proton-proton collisions at $\sqrt{s}=13$ TeV**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Valle A. E. D., Hussain P., Jeitler M., et al.
European Physical Journal C, cilt.84, sa.1, 2024 (SCI-Expanded)
- XV. **Luminosity determination using Z boson production at the CMS experiment**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Valle A. E. D., Hussain P., et al.
European Physical Journal C, cilt.84, sa.1, 2024 (SCI-Expanded)
- XVI. **Evidence for Higgs boson decay to a pair of muons**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2021 (SCI-Expanded)
- XVII. **Dependence of inclusive jet production on the anti-k(T) distance parameter in pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2020 (SCI-Expanded)
- XVIII. **Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2020 (SCI-Expanded)
- XIX. **Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Frühwirth R., et al.
PHYSICAL REVIEW D, cilt.102, sa.11, 2020 (SCI-Expanded)
- XX. **Search for decays of the 125 GeV Higgs boson into a Z boson and a rho or phi meson**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del

Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2020 (SCI-Expanded)

- XXI. **Measurement of $B\text{-}c(2S)^{+}$ and $B\text{-}c^{*}(2S)^{+}$ cross section ratios in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW D, cilt.102, sa.9, 2020 (SCI-Expanded)
- XXII. **$W^{+}W^{-}$ boson pair production in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW D, cilt.102, sa.9, 2020 (SCI-Expanded)
- XXIII. **Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Fruhwirth R., Jeitler M., et al.
JOURNAL OF INSTRUMENTATION, cilt.15, sa.10, 2020 (SCI-Expanded)
- XXIV. **Search for a light charged Higgs boson in the $H\text{-}+/- \rightarrow cs$ channel in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW D, cilt.102, sa.7, 2020 (SCI-Expanded)
- XXV. **Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at root $s(NN)=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.125, sa.10, 2020 (SCI-Expanded)
- XXVI. **Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in events with high-momentum Z bosons and missing transverse momentum**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Fruhwirth R., Jeitler M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2020 (SCI-Expanded)
- XXVII. **Search for resonant pair production of Higgs bosons in the $b\bar{b}Z\bar{Z}$ channel in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Fruhwirth R., Jeitler M., et al.
PHYSICAL REVIEW D, cilt.102, sa.3, 2020 (SCI-Expanded)
- XXVIII. **Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2020 (SCI-Expanded)
- XXIX. **Measurement of the $t\bar{t}\text{over-bar}b\text{over-bar}$ production cross section in the all-jet final state in pp collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
PHYSICS LETTERS B, cilt.803, 2020 (SCI-Expanded)
- XXX. **Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.124, sa.13, 2020 (SCI-Expanded)
- XXXI. **Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.80, sa.1, 2020 (SCI-Expanded)

XXXII. **Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to tau lepton pairs**

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

PHYSICAL REVIEW D, cilt.100, sa.11, 2019 (SCI-Expanded)

XXXIII. **Search for resonances decaying to a pair of Higgs bosons in the $b(b)\text{over-bar}q(q)\text{over-bar}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2019 (SCI-Expanded)

XXXIV. **Charged-particle angular correlations in XeXe collisions at $\sqrt{s(NN)}=5.44$ TeV**

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

PHYSICAL REVIEW C, cilt.100, sa.4, 2019 (SCI-Expanded)

XXXV. **Measurement of electroweak WZ boson production and search for new physics in WZ plus two jets events in pp collisions at $\sqrt{s}=13$ TeV**

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

PHYSICS LETTERS B, cilt.795, ss.281-307, 2019 (SCI-Expanded)

XXXVI. **Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV**

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

PHYSICAL REVIEW C, cilt.100, sa.2, 2019 (SCI-Expanded)

XXXVII. **Search for charged Higgs bosons in the $H\rightarrow\tau^+\tau^-\nu(\tau)$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2019 (SCI-Expanded)

XXXVIII. **Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector**

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

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

XXXIX. **Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV**

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

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

XL. **Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV**

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

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

XLI. **Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s(NN)}=8.16$ TeV**

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

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

XLII. Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at root S-NN=5.02 TeV

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

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

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

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

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

XLIV. Search for pair production of first-generation scalar leptoquarks at root s=13 TeV

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

PHYSICAL REVIEW D, cilt.99, sa.5, 2019 (SCI-Expanded)

XLV. Evidence for light-by-light scattering in ultraperipheral PbPb collisions at root S-NN=5.02 TeV

d'Enterria D., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., et al.

NUCLEAR PHYSICS A, cilt.982, ss.791-794, 2019 (SCI-Expanded)

XLVI. Search for new particles decaying to a jet and an emerging jet

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2019 (SCI-Expanded)

XLVII. Non-Gaussian elliptic-flow fluctuations in PbPb collisions at root S-NN=5.02 TeV

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

PHYSICS LETTERS B, cilt.789, ss.643-665, 2019 (SCI-Expanded)

XLVIII. Multiparticle correlations and higher order harmonics in pPb collisions at root s(NN)=8.16 TeV

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

NUCLEAR PHYSICS A, cilt.982, ss.375-378, 2019 (SCI-Expanded)

XLIX. Search for the chiral magnetic effect at the LHC with the CMS experiment

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

NUCLEAR PHYSICS A, cilt.982, ss.527-530, 2019 (SCI-Expanded)

L. D-0-Meson R-AA in PbPb Collisions at root s(NN)=5.02 TeV and Elliptic Flow in pPb Collisions at root s(NN)=8.16 TeV with CMS

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

NUCLEAR PHYSICS A, cilt.982, ss.647-650, 2019 (SCI-Expanded)

LI. Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2019 (SCI-Expanded)

LII. Fragmentation of J/psi in jets in pp collisions at root s=5.02 TeV Batoul Diab for the CMS collaboration

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

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

LIII. Beyond nPDFs effects : Prompt J/psi and psi(2S) production in pPb and pp collisions

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

J., et al.

NUCLEAR PHYSICS A, cilt.982, ss.743-746, 2019 (SCI-Expanded)

- LIV. **Measurement of anisotropic flow in XeXe collisions at 5.44 TeV with the CMS experiment**
Stojanovic M., Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroee J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.395-398, 2019 (SCI-Expanded)
- LV. **Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroee J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2019 (SCI-Expanded)
- LVI. **Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.1, 2019 (SCI-Expanded)
- LVII. **Search for pair-produced three-jet resonances in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroee J., Del Valle A. E., et al.
PHYSICAL REVIEW D, cilt.99, sa.1, 2019 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroee J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2019 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Escalante Del Valle A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2019 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroee J., et al.
PHYSICAL REVIEW LETTERS, cilt.121, sa.24, 2018 (SCI-Expanded)
- LXII. **Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroee J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2018 (SCI-Expanded)
- LXIII. **Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroee J., et al.
PHYSICAL REVIEW C, cilt.98, sa.4, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2018 (SCI-Expanded)

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Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
European Physical Journal C, cilt.78, sa.9, 2018 (SCI-Expanded)
- LXVI. **Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13\text{ TeV}$**
Sirunyan A., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
European Physical Journal C, cilt.78, sa.9, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.782, ss.440-467, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.781, ss.517-541, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICAL REVIEW D, cilt.97, sa.11, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.781, ss.390-411, 2018 (SCI-Expanded)
- LXXIII. **Search for lepton flavour violating decays of the Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2018 (SCI-Expanded)
- LXXIV. **Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at ,root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.

- PHYSICS LETTERS B, cilt.780, ss.118-143, 2018 (SCI-Expanded)
- LXXV. **Search for pair production of excited top quarks in the lepton plus jets final state The CMS Collaboration**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., et al.
PHYSICS LETTERS B, cilt.778, ss.349-370, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2018 (SCI-Expanded)
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Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
PHYSICS LETTERS B, cilt.776, ss.355-378, 2018 (SCI-Expanded)
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Chatrchyan S., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., Van de Klundert M., Van Haeveermaet H., Van Mechelen P., Van Spilbeeck A., et al.
JOURNAL OF INSTRUMENTATION, cilt.13, 2018 (SCI-Expanded)
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Chatrchyan S., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., De Klundert M. V., Van Haeveermaet H., Van Mechelen P., Van Spilbeeck A., et al.
JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- LXXX. **Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at root s=13TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2017 (SCI-Expanded)
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Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.11, 2017 (SCI-Expanded)
- LXXXII. **Search for standard model production of four top quarks in proton-proton collisions at root s=13TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.336-358, 2017 (SCI-Expanded)
- LXXXIII. **Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at root sNN=5.02TeV**
Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., Flechl M., et al.
PHYSICS LETTERS B, cilt.772, ss.306-329, 2017 (SCI-Expanded)
- LXXXIV. **Coherent J/psi photoproduction in ultra-peripheral PbPb collisions at root s(NN)=2.76 TeV with the CMS experiment**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroev J., et al.
PHYSICS LETTERS B, cilt.772, ss.489-511, 2017 (SCI-Expanded)
- LXXXV. **Measurement of the t(t)over-bar production cross section using events with one lepton and at least one jet in pp collisions at root s=13 TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.9, 2017 (SCI-Expanded)

- LXXXVI. **Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV**

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

PHYSICAL REVIEW D, cilt.96, sa.3, 2017 (SCI-Expanded)

- LXXXVII. **Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state**

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

PHYSICS LETTERS B, cilt.771, ss.80-105, 2017 (SCI-Expanded)

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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)

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

PHYSICS LETTERS B, cilt.770, ss.380-402, 2017 (SCI-Expanded)

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2017 (SCI-Expanded)

- XCi. **Measurement of the jet mass in highly boosted t(t)over-bar events from pp collisions at root s=8TeV**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.7, 2017 (SCI-Expanded)

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

PHYSICS LETTERS B, cilt.770, ss.278-301, 2017 (SCI-Expanded)

- XCIII. **Measurement of electroweak-induced production of W gamma with two jets in pp collisions at root s=8TeV and constraints on anomalous quartic gauge couplings**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2017 (SCI-Expanded)

- XCIV. **Search for single production no vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at root s=13 TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2017 (SCI-Expanded)

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

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JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2017 (SCI-Expanded)

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

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.5, 2017 (SCI-Expanded)

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

PHYSICS LETTERS B, cilt.768, ss.137-162, 2017 (SCI-Expanded)

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

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.4, 2017 (SCI-Expanded)

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

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

- C. **Measurement of the WZ production cross section in pp collisions at root s=13 Tev**

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PHYSICS LETTERS B, cilt.766, ss.268-290, 2017 (SCI-Expanded)

- CI. **Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at root s=8 TeV**

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

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

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

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

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

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

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

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EŞKUT E., KAYIŞ TOPAKSU A., POLATÖZ A., DUMANOĞLU İ.

EUROPEAN PHYSICAL JOURNAL C, cilt.74, sa.10, ss.1-49, 2014 (SCI-Expanded)

- CVI. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at root(s)=7 TeV**

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

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Ç.Ü Fen ve Mühendislik Bilimleri Dergisi, cilt.35, sa.1, ss.71-80, 2018 (Hakemsiz Dergi)

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Ronchese P., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., GÖKBULUT G., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A., CMS C.
MESON 2016, 2 - 07 Haziran 2016, cilt.130, ss.1029
- II. **Z W jets production at 8 13 TeV in CMS**
ÖCALAN K., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., KANGAL E. E., DUMANOĞLU İ., EŞKUT E., GÖKBULUT G., KAYIŞ TOPAKSU A., POLATÖZ A., et al.
QCD@Work 2016, 27 - 30 Haziran 2016, cilt.129, ss.2
- III. **Recent Results from CMS**
DORDEVİĆ M., KHACHATRYAN V., ÖZDEMİR K., HOŞ İ., ÖNENGÜT G., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A., GÖKBULUT G., CMS C.
19 th International Seminar on High Energy Physics(Quarks-2016), 29 Mayıs - 04 Haziran 2016, cilt.125, ss.1001
- IV. **Jet Production and Energy Distribution in the very forward direction at 13 TeV with CMS**
SUNAR ÇERÇİ D., ÖNENGÜT G., ÖZDEMİR K., HOŞ İ., GİRİSİS S., EŞKUT E., CMS C.
Turkish Physical Society 32nd International Physics Congress, 6 - 09 Eylül 2016
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Veres G., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., GÖKBULUT G., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A., CMS C.
ISMD 2015, 4 - 09 Ekim 2015, cilt.120, ss.2003
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BAŞEĞMEZ DU PREE S., Khachatryan V., HOŞ İ., ADIGÜZEL A., ÖZDEMİR K., ÖNENGÜT G., POLATÖZ A., EŞKUT E., CMS C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1379
- VII. **Higgs to tau tau Anaysis in the CMS experiment**
Olszewski M., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., KANGAL E. E., DUMANOĞLU İ., EŞKUT E., GÖKBULUT G., POLATÖZ A., KAYIŞ TOPAKSU A., et al.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1697-1703
- VIII. **HIGGS TO TAU TAU ANALYSIS IN THE CMS EXPERIMENT**
Olszewski M., Khachatryan V., Sirunyan A., ÖZDEMİR K., ÖNENGÜT G., HOŞ İ., POLATÖZ A., EŞKUT E., CMS C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1697
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Walczak M., Khachatryan V., ÖNENGÜT G., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., POLATÖZ A., EŞKUT E., CMS C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1751
- X. **Standart Model Results of CMS At 13 TEV**
AHMAD M., KHACHATRYAN V., ÖZDEMİR K., ÖNENGÜT G., HOŞ İ., ADIGÜZEL A., POLATÖZ A., EŞKUT E., Collaboration C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1365

- XI. **Standard Model Results of CMS at 13 TeV**
Ahmad M., HOŞ İ., ADIGÜZEL A., ÖZDEMİR K., KANGAL E. E., EŞKUT E., DUMANOĞLU İ., KAYIŞ TOPAKSU A., Collaboration C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1365-1377
- XII. **Heavy Ion Results of the CMS experiment**
Boimska B., ÖZDEMİR K., HOŞ İ., ADIGÜZEL A., KANGAL E. E., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., GÖKBULUT G., KAYIŞ TOPAKSU A., et al.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1397-1415
- XIII. **Heavy Ion results Of CMS Experiment**
BOIMSKA B., KHACHATRYAN V., HOŞ İ., ADIGÜZEL A., ÖNENGÜT G., POLATÖZ A., EŞKUT E., ÖZDEMİR K., CMS C.
Epiphany 2016 Conference, 7 - 09 Ocak 2016, cilt.47, ss.1397
- XIV. **MPI and UE corrections to jet measurements and influence on PDF determination and alpha S**
ÇERÇİ S., Khachatryan V., Sirunyan A., Tumasyan A., Guler Y., EŞKUT E., ÖZDEMİR K., CMS C.
7th International Workshop on Multiple Partonic Interaction at LHC, Trieste, İtalya, 23 - 27 Ekim 2015
- XV. **MPI and UE corrections to jet measuremnets and influence on PDF determination and alfas**
ÇERÇİ S., BAKIRCI M. N., SUNAR ÇERÇİ D., KANGAL E. E., GÖKBULUT G., EŞKUT E., DUMANOĞLU İ., POLATÖZ A., KAYIŞ TOPAKSU A., CMS C.
MPI@LHC 2015, 23 - 27 Kasım 2015
- XVI. **Inclusive jet cross section and strong coupling constant measurements at CMS**
ÇERÇİ S., KHACHATRYAN V., Sirunyan A., HOŞ İ., ÖZDEMİR K., POLATÖZ A., EŞKUT E., SUNAR ÇERÇİ D., Collaboration C.
9TH INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION (BPU-9), Istanbul, Turkey, 24 - 27 Ağustos 2015
- XVII. **COSMOS - A COMPREHENSIVE SUPER MONTE-CARLO SYSTEM**
ANSELMO F., DIROSA O., LACOMMARE G., PUSZTASZERI J., VANEIJK B., ALBERTY J., ESKUT E., HATZIFOTIADOU D., MARINO M., MAIDANTCHIK C., et al.
14TH WORKSHOP OF THE ITALIAN NATL INST FOR NUCLEAR PHYSICS ELOISATION PROJECT - DATA STRUCTURES FOR PARTICLE PHYSICS EXPERIMENTS : EVOLUTION OR REVOLUTION, ERICE, İtalya, 11 - 18 Kasım 1990, ss.70-76

Desteklenen Projeler

- EŞKUT E., BALDAN İ., DEMİROĞLU Z. Ş., Yükseköğretim Kurumları Destekli Proje, DETERMINATION OF THE JET ENERGY SCALE CORRECTIONS FOR THE LOW PT JETS IN PROTON-PROTON COLLISIONS AT $\sqrt{s} = 13$ TeV WITH THE CMS EXPERIMENT, 2015 - 2020
- EŞKUT E., Zorbilmez Ç., Yükseköğretim Kurumları Destekli Proje, MEASUREMENT OF ENERGY DENSITY AS A FUNCTION OF PSEUDORAPIDITY IN PROTON-PROTON COLLISIONS AT $\sqrt{s} = 13$ TeV WITH THE CMS EXPERIMENT AT THE LHC, 2015 - 2020
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, Proton-Proton çarpışmalarında CMS'de oluşan ikili jet sisteminin çalışılması, 2012 - 2019
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, MEASUREMENTS of INCLUSIVE LOW-PT JETS CROSS-SECTION and AZIMUTHAL ANGLE DECORRELATION of JETS with LARGE RAPIDITY SEPARATION USING RUN 1 CMS DATA, 2011 - 2019
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, Bilimsel Yayın Teşvik Desteği, 2017 - 2018
- EŞKUT E., BALDAN İ., Yükseköğretim Kurumları Destekli Proje, Hadronik İleri Kalorimetre (HF)'de Kullanılan QIE10 Kartlarının Pedestal, CAPID, ICI Testleri, 2016 - 2018
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, CMS Deneyinde Higgs bozunumu ve özelliklerinin ölçülmesi, 2016 - 2017
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, CMS Deneyinde Standart Model ve Standart Model Ötesi Fizik Araştırmaları, 2014 - 2015
- EŞKUT E., Yükseköğretim Kurumları Destekli Proje, $\sqrt{s} = 7$ TeV lik Proton-Proton Çarpışmasında İnküsil İleri Jet Tesir

Metrikler

Yayın: 373

Atıf (WoS): 25520

Atıf (Scopus): 21324

H-İndeks (WoS): 69

H-İndeks (Scopus): 78

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