

Prof. AYŞE POLATÖZ

Personal Information

Office Phone: [+90 322 338 6084](tel:+903223386084) Extension: 2480

Fax Phone: [+90 322 338 6070](tel:+903223386070)

Email: polatoz@cu.edu.tr

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

Address: Çukurova üniversitesi, Fen Edebiyat Fakültesi Fizik Bölümü Balcalı 01330 Adana

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik, Turkey 1986 - 1992

Post Graduate, Cukurova University, Fen Bilimleri Enstitüsü, Turkey 1983 - 1986

Under Graduate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1979 - 1983

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Atomic and Molecular Physics, Nuclear physics, Basic Particles and Areas, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2001 - Continues

Associate Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1995 - 2001

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1993 - 1995

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 1985 - 1993

Academic and Administrative Experience

Cukurova University, 2016 - Continues

Cukurova University, 2016 - Continues

Cukurova University, Fen Edebiyat Fakültesi , Fiizik, 2002 - 2011

Advising Theses

POLATÖZ A., CMS Deneyinde Hadronik Dış(HO) Kalorimetresindeki Peltier Soğutucuların Analizi, Post Graduate, B.Antmen(Student), 2014

POLATÖZ A., CMS Deneyinin HO904 Ve SX5 Test Düzeneklerindeki SiFÇ'lerin Öz Tetikleme Analizi, Post Graduate, Ö.Kara(Student), 2014

POLATÖZ A., Search For A W' Gauge Boson Decaying to WZ in Proton-Proton Collisions at sgrt(s)= 7 TeV, Doctorate,

A.Adıgüzel(Student), 2014

POLATÖZ A., CMS Deneyindeki HO ve HF Kalorimetreleri İçin Pedestal Analizleri, Post Graduate, S.Türkçapar(Student), 2014

POLATÖZ A., SUSY Search at CMS in Met Plus Jets Topologies at $\sqrt{s}=14\text{TeV}$ and Response Comparison of the CMS Calorimeters to Pions Between Monte Carlo and Test Beam, Doctorate, H.Topaklı(Student), 2010

POLATÖZ A., Calculation of the Intercalibration Constants for the Prototype IV of CASTOR Detector, Post Graduate, T.Karaman(Student), 2010

POLATÖZ A., Parçacık Detektörlerinin Tıpta Kullanımı, Post Graduate, M.Oğuz(Student), 2008

POLATÖZ A., CMS (Compact Muon Solenoid) Deneyinde Ağır İyon Fiziği Araştırmaları, Post Graduate, E.Arıkan(Student), 2008

POLATÖZ A., CMS Deneyindeki Süper Simetri Araştırmaları, Post Graduate, A.Adıgüzel(Student), 2007

POLATÖZ A., On the Testing of CMS Tracker Outer Barrel Silicon Microstrip Dedector Modules, Doctorate, K.Söğüt(Student), 2005

POLATÖZ A., CMS Deneyindeki HF Detektörünün Test Verilerinin Analizi, Post Graduate, A.Yetiş(Student), 2004

POLATÖZ A., CMS Deneyindeki HF detektörünün Karakteristiklerinin İncelenmesi, Post Graduate, S.Kayış(Student), 2004

POLATÖZ A., Standart Model Higgs Bozonunun Simülasyonu, Post Graduate, D.Sunar(Student), 2002

POLATÖZ A., CMS Deneyindeki En İleri Kalorimetredwe Kullanılan Liflerin Radyasyon Dayanıklılığı Araştırmaları, Post Graduate, H.Özkurt(Student), 2000

POLATÖZ A., CMS(Compact Müon Solenoid) Deneyinde Kullanılacak olan VFCAL(En İleri Kalorimetre'in Çözünürlüğü, Post Graduate, H.Özdemir(Student), 1999

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at root $s=13\text{ TeV}$**
Sirunyan A. M. , Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E. , et al.
PHYSICS LETTERS B, vol.812, 2021 (Journal Indexed in SCI)
- II. **Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at root $s=13\text{ TeV}$**
Sirunyan A. M. , Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E. , et al.
PHYSICS LETTERS B, vol.812, 2021 (Journal Indexed in SCI)
- III. **Dependence of inclusive jet production on the anti-k(T) distance parameter in pp collisions at root $s=13\text{ TeV}$**
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.
JOURNAL OF HIGH ENERGY PHYSICS, no.12, 2020 (Journal Indexed in SCI)
- IV. **Observation of electroweak production of W gamma with two jets in proton-proton collisions at root $s=13\text{ TeV}$**
Sirunyan A. M. , Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E. , et al.
PHYSICS LETTERS B, vol.811, 2020 (Journal Indexed in SCI)
- V. **Measurements of the associated production of a Z boson and b jets in pp collisions at root $s=8\text{ TeV}$**
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, vol.77, no.11, 2017 (Journal Indexed in SCI)
- VI. **Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks**
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, vol.768, pp.137-162, 2017 (Journal Indexed in SCI)
- VII. **Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC**
POLATÖZ A., KAYIŞ TOPAKSU A., DUMANOĞLU İ., Collaboration C.
PHYSICS LETTERS B, vol.768, pp.103-129, 2017 (Journal Indexed in SCI Expanded)
- VIII. **Measurement of the WZ production cross section in pp collisions at root s=7 and 8 TeV and search for anomalous triple gauge couplings at root s=8 TeV**
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, vol.77, no.4, 2017 (Journal Indexed in SCI)
- IX. **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, vol.95, no.5, 2017 (Journal Indexed in SCI)
- X. **Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at root s=8TeV**
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, no.2, 2017 (Journal Indexed in SCI)
- XI. **The CMS trigger system**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF INSTRUMENTATION, vol.12, 2017 (Journal Indexed in SCI)
- XII. **Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 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, vol.94, no.11, 2016 (Journal Indexed in SCI)
- XIII. **Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton plus jets final states produced in pp 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.
PHYSICS LETTERS B, vol.762, pp.512-534, 2016 (Journal Indexed in SCI)
- XIV. **Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter**
Khachatryan V., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., Van de Klundert M., Van Haeevermaet H., Van Mechelen P., Van Spilbeeck A., et al.
JOURNAL OF INSTRUMENTATION, vol.11, 2016 (Journal Indexed in SCI)
- XV. **Phenomenological MSSM interpretation of CMS searches in pp collisions at root s=7 and 8 TeV**
Chatrchyan S., Khachtryan V., Sirunyan A., Tumasyan A., Wolfgang A., Asiler E., Bergauer T., Brandstetter J., DUMANOĞLU İ., EŞKUT E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, vol.10, pp.1-52, 2016 (Journal Indexed in SCI Expanded)
- XVI. **Search for s channel single top quark production in pp collisions at root s=7 and 8 TeV**
POLATÖZ A., EŞKUT E., Collaboration C.
JOURNAL OF HIGH ENERGY PHYSICS, vol.9, no.27, pp.1-10, 2016 (Journal Indexed in SCI Expanded)
- XVII. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at root S = 8 TeV**
Khachtryan V., Albert S., Tumasyan A., Wolfgang A., Ece A., Bergauer T., Brandstetter J., Brondolin E., DUMANOĞLU İ., POLATÖZ A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, no.9, pp.1-20, 2016 (Journal Indexed in SCI)

- XVIII. **Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width**
POLATÖZ A., EŞKUT E., GÖKBULUT G.
JOURNAL OF HIGH ENERGY PHYSICS, vol.9, no.51, pp.1-25, 2016 (Journal Indexed in SCI Expanded)
- XIX. **Measurements of $t(\bar{t})$ over-bar charge asymmetry using dilepton final states in pp 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.
PHYSICS LETTERS B, vol.760, pp.365-386, 2016 (Journal Indexed in SCI)
- XX. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp 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.
PHYSICS LETTERS B, vol.759, pp.479-500, 2016 (Journal Indexed in SCI)
- XXI. **Search for a low-mass pseudoscalar Higgs boson produced in association with a $b(\bar{b})$ over-bar pair in pp 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.
PHYSICS LETTERS B, vol.758, pp.296-320, 2016 (Journal Indexed in SCI)
- XXII. **Measurement of the $W+W^-$ cross section in pp collisions at root $s=8$ TeV and limits on anomalous gauge couplings**
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, vol.76, no.7, 2016 (Journal Indexed in SCI)
- XXIII. **Inclusive and differential measurements of the $t(\bar{t})$ over-bar charge asymmetry in pp collisions at root $s=8$ TeV**
EŞKUT E., POLATÖZ A., DUMANOĞLU İ.
MODERN PHYSICS LETTERS B, vol.757, pp.154-179, 2016 (Journal Indexed in SCI Expanded)
- XXIV. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp 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.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.6, 2016 (Journal Indexed in SCI)
- XXV. **Measurement of the ratio $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi \phi(1020))$ in pp collisions at root $s=7$ TeV**
Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M. , et al.
PHYSICS LETTERS B, vol.756, pp.84-102, 2016 (Journal Indexed in SCI)
- XXVI. **Measurement of the inclusive jet cross section in pp collisions at root $s=2.76$ TeV**
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, vol.76, no.5, 2016 (Journal Indexed in SCI)
- XXVII. **Search for supersymmetry in pp collisions at root $s=8$ TeV in final states with boosted W bosons and b jets using razor variables**
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, vol.93, no.9, 2016 (Journal Indexed in SCI)
- XXVIII. **Comparison of the $Z/\gamma^* +$ jets to $\gamma +$ jets cross sections in pp collisions at root $s = 8$ (vol 10, 128, 2015)**
EŞKUT E., POLATÖZ A., DUMANOĞLU İ.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-21, 2016 (Journal Indexed in SCI Expanded)
- XXIX. **Measurement of top quark polarisation in t-channel single top quark production**

- The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, 2016 (Journal Indexed in SCI)
- XXX. **Search for massive WH resonances decaying into the $l \nu b(\bar{b})$ final state 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.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.5, 2016 (Journal Indexed in SCI)
- XXXI. **Search for new phenomena in monophoton final states in proton-proton collisions at root $s=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Gheze V. M., et al.
PHYSICS LETTERS B, vol.755, pp.102-124, 2016 (Journal Indexed in SCI)
- XXXII. **Search for $W' \rightarrow tb$ in proton-proton collisions at root $s=8$ TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Asilar E., Bergauer T., Brondolin E., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, pp.1-42, 2016 (Journal Indexed in SCI)
- XXXIII. **Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at root $s=8$ TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, 2016 (Journal Indexed in SCI)
- XXXIV. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp 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.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.1, 2016 (Journal Indexed in SCI)
- XXXV. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at root $s=13$ TeV**
KAYIŞ TOPAKSU A., POLATÖZ A., EŞKUT E., DUMANOĞLU İ.
PHYSICS LETTERS B, vol.751, pp.143-163, 2015 (Journal Indexed in SCI Expanded)
- XXXVI. **Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at root $s=8$ TeV**
KAYIŞ TOPAKSU A., POLATÖZ A., EŞKUT E., DUMANOĞLU İ.
PHYSICS LETTERS B, vol.750, pp.494-519, 2015 (Journal Indexed in SCI Expanded)
- XXXVII. **Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root $s=7$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Gheze V. M., et al.
PHYSICS LETTERS B, vol.749, pp.14-34, 2015 (Journal Indexed in SCI)
- XXXVIII. **Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at root $s=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Gheze V. M., et al.
JOURNAL OF INSTRUMENTATION, vol.10, 2015 (Journal Indexed in SCI)
- XXXIX. **Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Bergauer T., Dragicevic M., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.5, pp.1-50, 2015 (Journal Indexed in SCI)
- XL. **Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Bergauer T., Dragicevic M., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A.

JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-40, 2015 (Journal Indexed in SCI)

- XLII. **Search for Monotop Signatures in Proton-Proton Collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.114, no.10, 2015 (Journal Indexed in SCI)
- XLIII. **Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV**
Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF INSTRUMENTATION, vol.10, 2015 (Journal Indexed in SCI)
- XLIII. **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., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.11, 2014 (Journal Indexed in SCI)
- XLIV. **Observation of the diphoton decay of the Higgs boson and measurement of its properties**
EŞKUT E., KAYIŞ TOPAKSU A., POLATÖZ A., DUMANOĞLU İ.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.10, pp.1-49, 2014 (Journal Indexed in SCI Expanded)
- XLV. **Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.9, 2014 (Journal Indexed in SCI)
- XLVI. **Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at root s=8 TeV**
DUMANOĞLU İ., EŞKUT E., Öngüt G., POLATÖZ A., KAYIŞ TOPAKSU A.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.9, pp.1-26, 2014 (Journal Indexed in SCI Expanded)
- XLVII. **Modification of jet shapes 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., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.730, pp.243-263, 2014 (Journal Indexed in SCI)
- XLVIII. **Searches for light- and heavy-flavour three-jet resonances in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.730, pp.193-214, 2014 (Journal Indexed in SCI)
- XLIX. **Measurement of the t(t)over-bar production cross section in the dilepton channel in pp collisions at root s = 8 TeV (vol 2, 024, 2014)**
EŞKUT E., DUMANOĞLU İ., KAYIŞ TOPAKSU A., ÖNENGÜT G., POLATÖZ A.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, pp.1-18, 2014 (Journal Indexed in SCI Expanded)
- L. **Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, vol.89, no.1, 2014 (Journal Indexed in SCI)
- LI. **Determination of the top-quark pole mass and strong coupling constant from the t(t)over-bar production cross section in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.728, pp.496-517, 2014 (Journal Indexed in SCI)
- LII. **Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C.,

- Friedl M., et al.
Journal of High Energy Physics, vol.2014, no.1, 2014 (Journal Indexed in SCI)
- LIII. **Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, vol.88, no.11, 2013 (Journal Indexed in SCI)
- LIV. **Measurement of the prompt J/psi and psi(2S) polarizations in pp collisions at root 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.
PHYSICS LETTERS B, vol.727, pp.381-402, 2013 (Journal Indexed in SCI)
- LV. **Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.73, no.12, 2013 (Journal Indexed in SCI)
- LVI. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.111, no.22, 2013 (Journal Indexed in SCI)
- LVII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Aguiloe E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.
PHYSICS LETTERS B, vol.726, pp.564-586, 2013 (Journal Indexed in SCI)
- LVIII. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroee J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.727, pp.57-76, 2013 (Journal Indexed in SCI)
- LIX. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M. , Tumasyan A., Adam W., Aguiloe E., Bergauer T., Dragicevic M., Eroee J., Fabjan C., et al.
JOURNAL OF INSTRUMENTATION, vol.8, 2013 (Journal Indexed in SCI)
- LX. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV**
DUMANOĞLU İ., EŞKUT E., KAYIŞ TOPAKSU A., ÖNENGÜT G., POLATÖZ A.
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- LXI. **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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- I. **First CMS Results at 13 TeV**
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