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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Türkiye 1996 - 2001

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

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Araştırma Alanları

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- III. **Observation of the Formula Presented Meson and Suppression of Formula Presented States in Pb-Pb Collisions at Formula Presented**
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- V. **Search for long-lived heavy neutral leptons decaying in the CMS muon detectors in proton-proton collisions at Formula Presented**
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- IX. **Search for dark QCD with emerging jets in proton-proton collisions at $s = 13$ TeV**
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- XI. **Combination of Measurements of the Top Quark Mass from Data Collected by the ATLAS and CMS Experiments at $\sqrt{s}=7$ and 8 TeV**
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- XII. **Search for Baryon Number Violation in Top Quark Production and Decay Using Proton-Proton Collisions at Formula Presented**
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- XIV. **Observation of the Formula Presented decay in proton-proton collisions at Formula Presented**
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- XVII. **Search for the lepton flavor violating $\tau \rightarrow 3\mu$ decay in proton-proton collisions at $s=13$ TeV**
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- XVIII. **Search for stealth supersymmetry in final states with two photons, jets, and low missing transverse momentum in proton-proton collisions at Formula Presented**
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- XIX. **Search for pair production of scalar and vector leptoquarks decaying to muons and bottom quarks in proton-proton collisions at Formula Presented**
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- XXIII. **Search for exotic decays of the Higgs boson to a pair of pseudoscalars in the $\mu\mu b\bar{b}$ and $\tau\tau b\bar{b}$ final states**
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- XXVII. **Observation of $WW\gamma$ Production and Search for $H\gamma$ Production in Proton-Proton Collisions at $\sqrt{s}=13\text{TeV}$**
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- XXVIII. **New Structures in the Formula Presented Mass Spectrum in Proton-Proton Collisions at Formula**

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XXIX. **Study of azimuthal anisotropy of $\Upsilon(1S)$ mesons in pPb collisions at $s_{NN} = 8.16$ TeV**

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XXX. **Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at $s=13$ TeV**

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XXXII. **Measurements of azimuthal anisotropy of nonprompt D^0 mesons in PbPb collisions at $s_{NN}=5.02$ TeV**

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XXXIII. **Search for Scalar Leptoquarks Produced via τ -Lepton-Quark Scattering in pp Collisions at $\sqrt{s}=13$ TeV**

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XXXV. **Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at Formula Presented TeV**

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XXXVII. **Search for Inelastic Dark Matter in Events with Two Displaced Muons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**

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XXXVIII. **Evidence for the Higgs Boson Decay to a Z Boson and a Photon at the LHC**

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XXXIX. **Study of charm hadronization with prompt Λ_c^+ baryons in proton-proton and lead-lead collisions at**

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- XL. **Measurement of the τ lepton polarization in Z boson decays in proton-proton collisions at (Formula presented.)**
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- XLI. **Measurement of the production cross section for a W boson in association with a charm quark in proton-proton collisions at $\sqrt{s}=13\text{TeV}$**
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- XLII. **Luminosity determination using Z boson production at the CMS experiment**
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- XLIII. **Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC**
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- XLIV. **Charged-particle nuclear modification factors in PbPb and pPb collisions at root s(NN)=5.02 TeV**
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- XLV. **Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at root s=8 TeV**
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- XLVI. **Relative Modification of Prompt psi(2S) and J/psi Yields from pp to PbPb Collisions at root(S)(NN)=5.02 TeV**
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- XLVII. **Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search**
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- XLVIII. **Search for electroweak production of charginos in final states with two T leptons in pp collisions at root s=8 TeV**
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- LIII. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at root S = 8 TeV**
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- LIV. **Measurements of $t(\bar{t})$ charge asymmetry using dilepton final states in pp collisions at root s=8 TeV**
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- LV. **Measurement of the $W+W^-$ cross section in pp collisions at root s=8 TeV and limits on anomalous gauge couplings**
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- LVI. **Search for a low-mass pseudoscalar Higgs boson produced in association with a $b(\bar{b})$ pair in pp collisions at root s=8 TeV**
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- LVIII. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=8 TeV**
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- LXI. **Measurement of the ratio $B(B \rightarrow J/\psi f(980))/B(B \rightarrow J/\psi \phi(1020))$ in pp**

collisions at root s=7 TeV

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- LXII. **Search for massive WH resonances decaying into the $l \nu b(\bar{b})$ final state at root s=8 TeV**
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- LXIV. **Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at root s = 8 (vol 10, 128, 2015)**
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- LXXII. **Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings**
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XCVIII. Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV

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XCIX. Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV

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CI. Interpretation of searches for supersymmetry with simplified models

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

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CIV. 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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CV. Measurement of masses in the $t(\tilde{t})$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV

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- CVI. search for new physics in events with same-sign dileptons and b jets in pp collisions at root s = 8 TeV**
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- CXI. Search for long-lived particles in events with photons and missing energy in proton-proton collisions at root s=7 TeV**
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- CXII. Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum**
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- CXIII. Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV**
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- CXIV. Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV**
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- CXV. Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV**
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- CXVI. Search in leptonic channels for heavy resonances decaying to long-lived neutral particles**
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- CXVIII. **Search for contact interactions in $\mu(+)\mu(-)$ events in pp collisions at root $s = 7$ TeV**
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- CXX. **Search for a W' boson decaying to a bottom quark and a top quark in pp collisions at root $s=7$ TeV**
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- CXXI. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at root $s(NN)=2.76$ TeV**
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- CXXII. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q(q)\overline{b}l(+)\overline{l}(-)$ final state**
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- CXXIII. **Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at root $S-NN=2.76$ TeV**
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- CXXIV. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC**
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- CXXV. **Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV**
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Journal of High Energy Physics, cilt.2013, sa.12, 2013 (SCI-Expanded)
- CXXVI. **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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- CXXVII. **Observation of a diffractive contribution to dijet production in proton-proton collisions at root $s = 7$ TeV**
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- CXXVIII. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in**

pp collisions at root s=7 TeV

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

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CXXXIX. Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV

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CXXX. Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at root s=7 TeV

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CXXXI. Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism

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CXXXII. Search for pair produced fourth-generation up-type quarks in pp collisions at root s=7 TeV with a lepton in the final state

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CXXXIII. Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at root s=7 TeV

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CXXXIV. Observation of Z decays to four leptons with the CMS detector at the LHC

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CXXXV. Measurement of jet fragmentation into charged particles in pp and PbPb collisions at \sqrt{s} NN = 2:76 TeV

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CXXXVI. Search for exclusive or semi-exclusive gamma gamma production and observation of exclusive and semi-exclusive e(+)e(-) production in pp collisions at root s=7 TeV

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CXXXVII. A search for a doubly-charged Higgs boson in pp collisions at root s=7 TeV

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CXXXVIII. Performance of CMS muon reconstruction in pp collision events at root s=7TeV

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CXXXIX. Inclusive and differential measurements of the t(t)over-bar charge asymmetry in proton-proton collisions root s=7 TeV

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- CXLI. **Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s}=7$ TeV**
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- CXLII. **Search for supersymmetry in hadronic final states using M-T2 in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
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- CXLIII. **Search for supersymmetry in events with b -quark jets and missing transverse energy in pp collisions at 7 TeV**
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- CXLIV. **Measurement of the top-quark mass in $t(\bar{t})$ over-bar events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV**
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- CXLV. **Search for charge-asymmetric production of W^+ bosons in $t(\bar{t})$ over-bar plus jet events from pp collisions at $\sqrt{s}=7$ TeV**
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- CXLVI. **Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s(NN)}=2.76$ TeV**
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- CXLVII. **Search for heavy Majorana neutrinos in $\mu(+/-)\mu(+/-)$ + jets and $e(+/-)e(+/-)$ + jets events in pp collisions at $\sqrt{s}=7$ TeV**
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- CXLVIII. **Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s}=0.9, 2.76,$ and 7 TeV**
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- CXLIX. **Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV**
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- CL. **Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at root s=7 TeV**
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- CLI. **Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at root s=7 TeV**
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- CLII. **Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at root s=7 TeV**
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- CLIII. **Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC**
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- CLIV. **Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at root s=7 TeV**
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- CLV. **Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguiló E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
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- CLVI. **Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at root s=7 TeV**
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- CLVII. **Search for dark matter and large extra dimensions in monojet events in pp collisions at root s=7 TeV**
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- CLVIII. **Search for a fermiophobic Higgs boson in pp collisions at root s=7 TeV**
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- CLIX. **Study of W boson production in PbPb and pp collisions at root s(NN)=2.76 TeV**
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- CLX. **Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy**
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- CLXI. **Search for heavy long-lived charged particles in pp collisions at root s=7 TeV**
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- CLXII. **Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at root S-NN=2.76 TeV**
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PHYSICAL REVIEW LETTERS, cilt.109, sa.2, 2012 (SCI-Expanded)
- CLXIII. **Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy**
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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- CLXV. **Measurement of the mass difference between top and antitop quarks**
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- CLXVI. **Search for neutral Higgs bosons decaying to tau pairs in pp collisions at root s=7 TeV**
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PHYSICS LETTERS B, cilt.713, sa.2, ss.68-90, 2012 (SCI-Expanded)
- CLXVII. **Measurement of the t(t)over-bar production cross section in pp collisions at root s=7 TeV in dilepton final states containing a tau**
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- CLXVIII. **Search for large extra dimensions in dimuon and dielectron events in pp collisions at root s=7 TeV**
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- CLXIX. **Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at root s(NN)=2.76 TeV**
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- CLXX. **Measurement of isolated photon production in pp and PbPb collisions at root s(NN)=2.76 TeV**
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- CLXXI. **Search for the standard model Higgs boson decaying into two photons in pp collisions at root s=7 TeV**
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- CLXXII. **Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root s=7 TeV**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CLXXIII. **Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ \rightarrow 4l$ in pp Collisions at $\sqrt{s}=7$ TeV**
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- CLXXIV. **Search for the standard model Higgs boson decaying to $W+W-$ in the fully leptonic final state in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXV. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CLXXVI. **Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
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- CLXXVII. **Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXVIII. **Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at $\sqrt{s(NN)}=2.76$ TeV**
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- CLXXIX. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXX. **Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXXI. **Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}=7$ TeV**
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Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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LHC

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- CLXXXIV. **Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV**

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- CLXXXV. **Search for light resonances decaying into pairs of muons as a signal of new physics**

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- CLXXXVI. **Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy**

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- CLXXXVII. **Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment**

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- CLXXXVIII. **Measurement of the $t(\bar{t})$ production cross section in pp collisions at 7 TeV in lepton plus jets events using b-quark jet identification**

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- CLXXXIX. **Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at root s=7 TeV**

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- CXCIV. **Measurement of the $B\text{-}s(0)$ Production Cross Section with $B\text{-}s(0) \rightarrow J/\psi \phi$ Decays in pp Collisions at root s=7 TeV**

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- CXCV. **Search for first generation scalar leptoquarks in the $e\nu jj$ channel in pp collisions at $\sqrt{s}=7$ TeV**
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- CXCVI. **Search for Three-Jet Resonances in pp Collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CXCVII. **Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at $\sqrt{s}=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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