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### Eđitim Bilgileri

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İngilizce, B2 Orta st

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### Akademik Unvanlar / Grevler

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**XXX. Observation of the Formula Presented decay and studies of the Formula Presented baryon in proton-proton collisions at Formula Presented**

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**XXXI. Extracting the speed of sound in quark-gluon plasma with ultrarelativistic lead-lead collisions at the LHC**

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- XXXV. **Search for Baryon Number Violation in Top Quark Production and Decay Using Proton-Proton Collisions at Formula Presented**  
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- XL. **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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- XLII. **Observation of the Formula Presented decay in proton-proton collisions at Formula Presented**  
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- XLIII. **Search for an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle in proton-proton collisions at  $s=13\text{TeV}$**   
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- XLIV. **Development of the CMS detector for the CERN LHC Run 3**  
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- XLV. **Search for a new resonance decaying into two spin-0 bosons in a final state with two photons and two bottom quarks in proton-proton collisions at (Formula presented.)**  
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- XLVI. **Measurement of simplified template cross sections of the Higgs boson produced in association with w or z bosons in the Formula Presented decay channel in proton-proton collisions at Formula Presented**  
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- XLVII. **Search for  $W'$  bosons decaying to a top and a bottom quark in leptonic final states in proton-proton collisions at  $s = 13 \text{ TeV}$**   
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- LI. **Inclusive and differential cross section measurements of  $t\bar{t}b\bar{b}$  production in the lepton+jets channel at  $s = 13 \text{ TeV}$**   
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- LII. **Search for supersymmetry in final states with disappearing tracks in proton-proton collisions at Formula Presented**  
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- LIII. **Search for flavor changing neutral current interactions of the top quark in final states with a photon**

**and additional jets in proton-proton collisions at Formula Presented**

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**LIV. Observation of  $WW\gamma$  Production and Search for  $H\gamma$  Production in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV**

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**LV. New Structures in the Formula Presented Mass Spectrum in Proton-Proton Collisions at Formula Presented**

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

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

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**LX. Search for dark matter particles in  $W+W-$  events with transverse momentum imbalance in proton-proton collisions at  $s = 13$  TeV**

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

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- LXX. **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**  
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- LXXI. **Measurement of the  $\tau$  lepton polarization in Z boson decays in proton-proton collisions at (Formula presented.)**  
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- LXXXI. **Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at root s(NN)=5.02 TeV**  
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- XCII. **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**  
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**root s=13 TeV**

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**XCVII. Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at root s(NN)=8.16 TeV**

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**XCVIII. 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.

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**XCIX. 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., Eroe J., Del Valle A. E., et al.

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**C. 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., Eroe J., Del Valle A. E., et al.

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

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

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**CII. 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., Eroe J., Escalante Del Valle A., et al.

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**CIII. 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., Eroe J., et al.

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

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

**CV. 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., Eroe J., et al.

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**CVI. 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**

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

**CVII. 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., Eroe J., Del Valle A. E., et al.

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- CVIII. **Fragmentation of J/psi in jets in pp collisions at root s=5.02 TeV Batoul Diab for the CMS collaboration**  
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- CIX. **Beyond nPDFs effects : Prompt J/psi and psi(2S) production in pPb and pp collisions**  
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- CX. **Measurement of anisotropic flow in XeXe collisions at 5.44 TeV with the CMS experiment**  
Stojanovic M., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.  
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- CXI. **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., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.  
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- CXII. **Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at root s=13 TeV**  
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- CXIII. **Search for pair-produced three-jet resonances in proton-proton collisions at root s=13 TeV**  
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## Diğer Dergilerde Yayınlanan Makaleler

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## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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XVII. **COSMOS - A COMPREHENSIVE SUPER MONTE-CARLO SYSTEM**

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## Metrikler

Yayın: 431

Atıf (WoS): 25520

Atıf (Scopus): 21324

H-İndeks (WoS): 69

H-İndeks (Scopus): 78

## Akademi Dıřı Deneyim

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