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Yoksis Araştırmacı ID: 5435

Eğitim Bilgileri

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

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, The Design and Tests of the Very Forward Calorimeter of the CMS Detector at Large Hadron Collider, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2001

Araştırma Alanları

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- I. **Search for the lepton flavor violating $\tau \rightarrow 3\mu$ decay in proton-proton collisions at $\sqrt{s}=13\text{TeV}$**
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- V. **Measurements of azimuthal anisotropy of nonprompt D^0 mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$**
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- IX. **Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at Formula Presented TeV**
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- 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**
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- XII. **Evidence for the Higgs Boson Decay to a Z Boson and a Photon at the LHC**
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- 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**
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- XVI. **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.
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- XVII. **Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
SIRUNYAN A. M., Tumasyan A., Wolfgang A., Ece A., BRANDSTETTER J., BERGAUER T., DUMANOĞLU İ., Collaboration C.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.4, ss.1-20, 2017 (SCI-Expanded)
- XVIII. **Relative Modification of Prompt $\psi(2S)$ and J/ψ Yields from pp to PbPb Collisions at $\sqrt{s}=5.02$ TeV**
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- XIX. **Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search**
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- XX. **Search for electroweak production of charginos in final states with two T leptons in pp collisions at $\sqrt{s}=8$ TeV**
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- XXII. **Measurement of the $t(\bar{t})$ production cross section using events in the e μ final state in pp collisions at $\sqrt{s}=13$ TeV**
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- XXIII. **Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect**
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- XXV. **Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV**
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- XXVI. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV**
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- XXVII. **Measurements of $t(\bar{t})$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV**
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- XXVIII. **Search for a low-mass pseudoscalar Higgs boson produced in association with a $b(\bar{b})$ pair in pp collisions at $\sqrt{s}=8$ TeV**

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XXXII. Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=2.76$ TeV

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XXXIII. Search for supersymmetry in pp collisions at $\sqrt{s}=8$ 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., Eroo J., et al.
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XXXIV. 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 $\sqrt{s}=7$ TeV

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XXXV. Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ (vol 10, 128, 2015)

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XXXVII. Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8$ TeV

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- XL. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at root s=13TeV**
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- XLI. **Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at root s=8 TeV**
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- XLII. **Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV**
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- XLIII. **Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at root s=8TeV**
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- XLIV. **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**
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- XLV. **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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- XLVI. **Search for Monotop Signatures in Proton-Proton Collisions at root s=8 TeV**
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- XLVII. **Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV**
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- XLIX. **Observation of the diphoton decay of the Higgs boson and measurement of its properties**
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- L. **Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV**
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- LI. **Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at root s=8 TeV**
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LV. Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks

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LVI. 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

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LVII. Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states

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LVIII. Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV

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LIX. Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at root s=7 TeV

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LX. Measurement of the prompt J/psi and psi(2S) polarizations in pp collisions at root s=7 TeV

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LXI. Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV

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LXII. Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets

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- LXIII. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**
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- LXIV. **Searches for new physics using the $t(\bar{t})$ invariant mass distribution in pp collisions at root s=8 TeV**
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- LXV. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**
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- LXVI. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV**
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- LXVII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**
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- LXIX. **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 root s=7 TeV**
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- LXX. **Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at root s=7 TeV and first determination of the strong coupling constant in the TeV range**
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- LXXI. **Measurement of the W+W- cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings**
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- LXXVI. **Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at $\sqrt{s}=7$ TeV**
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- LXXVII. **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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- LXXX. **Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=8$ TeV**
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- LXXXII. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- LXXXIII. **Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the CMS detector**
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- LXXXIV. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s}=7$ TeV**
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- LXXXV. **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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- LXXXVI. **Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV**
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- LXXXVII. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV**
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- LXXXVIII. **Search for contact interactions in mu(+)mu(-) events in pp collisions at root s = 7 TeV**
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- LXXXIX. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV**
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- XC. **Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV**
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- XCIII. **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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- XCV. **Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV**
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- XCVI. Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV**
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- XCVII. Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q(\bar{q})\gamma\gamma l^+l^-$ final state**
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- CI. Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV**
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- CII. Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV**
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- CVI. Observation of Z decays to four leptons with the CMS detector at the LHC**
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- CVII. **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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- CIX. **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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- CX. **A search for a doubly-charged Higgs boson in pp collisions at root s=7 TeV**

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- CXI. **Measurement of the top-quark mass in $t(\bar{t})$ events with dilepton final states in pp collisions at root s=7 TeV**

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- CXII. **Search for supersymmetry in hadronic final states using M-T2 in pp collisions at root s=7 TeV**

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

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- CXIV. **Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at root s(NN)=2.76 TeV**

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- CXV. **Study of the inclusive production of charged pions, kaons, and protons in pp collisions at root s=0.9, 2.76, and 7 TeV**

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- CXVI. **Search for a W' or Techni-rho Decaying into WZ in pp Collisions at root s=7 TeV**

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- CXVII. **Inclusive and differential measurements of the $t(\bar{t})$ charge asymmetry in proton-proton collisions root s=7 TeV**

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- CXVIII. **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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- CXIX. **Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- CXX. **Search for charge-asymmetric production of $W^\pm$ bosons in $t(\bar{t})$ plus jet events from pp collisions at $\sqrt{s}=7$ TeV**
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- CXXI. **Search for heavy Majorana neutrinos in $\mu(+/-)\mu(+/-) + \text{jets}$ and $e(+/-)e(+/-) + \text{jets}$ events in pp collisions at $\sqrt{s}=7$ TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- CXXII. **Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV**
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- CXXIII. **Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- CXXIV. **Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV**
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- CXXV. **Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- CXXVI. **Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s}=7$ TeV**
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- CLXXV. **Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at root s=7 TeV**

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- CLXXVI. **Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at root s=7 TeV**

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