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Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Tıp, Sağlık Bilimleri, Temel Tıp Bilimleri, Fizyoloji, Nörofizyoloji

Akademik Unvanlar / Görevler

Prof.Dr., İstanbul Üniversitesi, İstanbul Tıp Fakültesi, Temel Tıp Bilimleri Bölümü, 1998 - Devam Ediyor

Akademik İdari Deneyim

İstanbul Üniversitesi, 2007 - 2009

İstanbul Üniversitesi, Deneysel Tıp Araştırma Enstitüsü, 2005 - 2009

İstanbul Üniversitesi, Deneysel Tıp Araştırma Enstitüsü , 2005 - 2009

İstanbul Üniversitesi, 2005 - 2009

Yönetilen Tezler

KAYA M., The effects of β -hydroxybutyrate on the blood-brain barrier disruption induced by traumatic brain injury in rats, Doktora, N.Orhan(Öğrenci), 2013

KAYA M., Blood-brain barrier changes following kainic acid-induced seizures,, Yüksek Lisans, C.Uğur(Öğrenci), 2013

KAYA M., The effects of pentylene-tetrazole-induced seizures during sepsis on blood-brain barrier integrity, Yüksek Lisans, M.Berkand(Öğrenci), 2012

KAYA M., The effects of hyperbaric oxygen therapy on blood-brain barrier permeability in septic conditions, Tıpta Uzmanlık, S.Mill(Öğrenci), 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 $\sqrt{s}=13\text{TeV}$**
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 $\sqrt{s}=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.852, 2024 (SCI-Expanded)
- III. **Timing performance of the CMS High Granularity Calorimeter prototype**
Acar B., Adamov G., Adloff C., Afanasiev S., Akchurin N., Akgün B., Khan F., Alhusseini M., Alison J., Alpana A., et al.
Journal of Instrumentation, cilt.19, sa.4, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **Measurements of azimuthal anisotropy of nonprompt D^0 mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$**
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. **Study of azimuthal anisotropy of $\Upsilon(1S)$ mesons in pPb collisions at $\sqrt{s_{NN}} = 8.16\text{TeV}$**
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)
- 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. **Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at Formula Presented $\sqrt{s_{NN}}=2.76\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Physical Review C, cilt.109, sa.2, 2024 (SCI-Expanded)
- X. **Search for Inelastic Dark Matter in Events with Two Displaced Muons and Missing Transverse Momentum 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., Del Valle A. E., Frühwirth R., et al.
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- XI. **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.
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- XII. **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)
- XIII. **Measurement of the production cross section for a W boson in association with a charm quark in proton–proton collisions at $\sqrt{s}=13\text{TeV}$**
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)
- XIV. **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)
- XV. **Search for the Higgs boson decay to a pair of electrons in proton-proton collisions at $s=13\text{TeV}$**
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.846, 2023 (SCI-Expanded)
- XVI. **Measurement of the $t\bar{t}$ charge asymmetry in events with highly Lorentz-boosted top quarks in pp collisions at $s=13\text{ TeV}$**
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.846, 2023 (SCI-Expanded)
- XVII. **Search for pair-produced vector-like leptons in final states with third-generation leptons and at least three b quark jets in proton-proton collisions at $s=13\text{TeV}$**
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.846, 2023 (SCI-Expanded)
- XVIII. **Observation of τ Lepton Pair Production in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02\text{ TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Physical review letters, cilt.131, sa.15, ss.151803, 2023 (SCI-Expanded)
- XIX. **Measurement of the top quark mass using a profile likelihood approach with the lepton + jets final states in proton–proton collisions at $\sqrt{s}=13\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Del Valle A. E., Hussain P., Jeitler M., et al.
European Physical Journal C, cilt.83, sa.10, 2023 (SCI-Expanded)
- XX. **A search for decays of the Higgs boson to invisible particles in events with a top-antitop quark pair or a vector boson in proton-proton collisions at $\sqrt{s}=13\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
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- XXI. **Measurement of the Dependence of the Hadron Production Fraction Ratios f_s/f_u and f_d/f_u on B Meson Kinematic Variables in Proton-Proton Collisions at Formula Presented**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
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- XXII. **Two-particle azimuthal correlations in γp interactions using pPb collisions at $s_{\text{NN}}=8.16\text{TeV}$**
Tumasyan A., Adam W., Bergauer T., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., Krammer N., Lechner L., Liko D., et al.

- Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.844, 2023 (SCI-Expanded)
- XXIII. **Evidence for four-top quark production in proton-proton collisions at $s=13\text{TeV}$**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
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- XXIV. **Search for new heavy resonances decaying to WW , WZ , ZZ , WH , or ZH boson pairs in the all-jets final state in proton-proton collisions at $s=13\text{TeV}$**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
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- XXV. **Search for medium effects using jets from bottom quarks 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.
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- XXVI. **Search for Exotic Higgs Boson Decays $H\rightarrow AA\rightarrow 4\gamma$ with Events Containing Two Merged Diphotons in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
 Physical review letters, cilt.131, sa.10, ss.101801, 2023 (SCI-Expanded)
- XXVII. **A search for new physics in central exclusive production using the missing mass technique with the CMS detector and the CMS-TOTEM precision proton spectrometer**
 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.83, sa.9, 2023 (SCI-Expanded)
- XXVIII. **Reconstruction of decays to merged photons using end-to-end deep learning with domain continuation in the CMS detector**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Del Valle A. E., Frühwirth R., Jeitler M., et al.
 Physical Review D, cilt.108, sa.5, 2023 (SCI-Expanded)
- XXIX. **Search for a vector-like quark $T' \rightarrow tH$ via the diphoton decay mode of the Higgs boson in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
 Journal of High Energy Physics, cilt.2023, sa.9, 2023 (SCI-Expanded)
- XXX. **Observation of the Rare Decay of the η Meson to Four Muons**
 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.131, sa.9, ss.91903, 2023 (SCI-Expanded)
- XXXI. **Observation of Same-Sign WW Production from Double Parton Scattering in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
 Physical review letters, cilt.131, sa.9, ss.91803, 2023 (SCI-Expanded)
- XXXII. **Proton reconstruction with the CMS-TOTEM Precision Proton Spectrometer**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Damanakis K., Lechner L., Paulitsch P., Schwarz D., Dragicevic M., Erö J., et al.
 Journal of Instrumentation, cilt.18, sa.9, 2023 (SCI-Expanded)
- XXXIII. **Measurement of differential cross sections for the production of a Z boson in association with jets in proton-proton collisions at Formula Presented**
 Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., Krammer N., et al.

Physical Review D, cilt.108, sa.5, 2023 (SCI-Expanded)

XXXIV. **Search for Higgs Boson Decay to a Charm Quark-Antiquark Pair in Proton-Proton Collisions at $\sqrt{s}=13$ 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 letters, cilt.131, sa.6, ss.61801, 2023 (SCI-Expanded)

XXXV. **Search for a heavy composite Majorana neutrino in events with dilepton signatures from proton-proton collisions at $s=13$ 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.843, 2023 (SCI-Expanded)

XXXVI. **Azimuthal Correlations within Exclusive Dijets with Large Momentum Transfer in Photon-Lead Collisions.**

Tumasyan A., Adam W., Bergauer T., Dragicevic M., Del Valle A. E., Frühwirth R., Jeitler M., Krammer N., Lechner L., Liko D., et al.

Physical review letters, cilt.131, sa.5, ss.51901, 2023 (SCI-Expanded)

XXXVII. **Measurements of jet multiplicity and jet transverse momentum in multijet events 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., Frühwirth R., Jeitler M., et al.

European Physical Journal C, cilt.83, sa.8, 2023 (SCI-Expanded)

XXXVIII. **Azimuthal correlations in Z +jets events 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., Frühwirth R., Jeitler M., et al.

European Physical Journal C, cilt.83, sa.8, 2023 (SCI-Expanded)

XXXIX. **Constraints on anomalous Higgs boson couplings to vector bosons and fermions from the production of Higgs bosons using the $\tau\tau$ final state**

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

Physical Review D, cilt.108, sa.3, 2023 (SCI-Expanded)

XL. **Measurement of the electroweak production of Formula Presented in association with two jets in proton-proton collisions at Formula Presented**

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 D, cilt.108, sa.3, 2023 (SCI-Expanded)

XLI. **Search for new physics using effective field theory in 13 TeV pp collision events that contain a top quark pair and a boosted Z or Higgs boson**

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 D, cilt.108, sa.3, 2023 (SCI-Expanded)

XLII. **Search for Nonresonant Pair Production of Highly Energetic Higgs Bosons Decaying to Bottom Quarks**

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 letters, cilt.131, sa.4, ss.41803, 2023 (SCI-Expanded)

XLIII. **Search for Higgs Boson and Observation of Z Boson through Their Decay into a Charm Quark-Antiquark Pair in Boosted Topologies in Proton-Proton Collisions at Formula Presented**

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Del Valle A. E., Hussain P., Jeitler M., et al.

Physical Review Letters, cilt.131, sa.4, 2023 (SCI-Expanded)

XLIV. **Search for Higgs boson decays into Z and J/psi and for Higgs and Z boson decays into J/psi or Y**

pairs in pp collisions at root s=13 TeV

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

PHYSICS LETTERS B, cilt.842, 2023 (SCI-Expanded)

XLV. Search for electroweak production of charginos and neutralinos at root s=13 TeV in final states containing hadronic decays of WW, WZ, or WH and missing transverse momentum

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

PHYSICS LETTERS B, cilt.842, 2023 (SCI-Expanded)

XLVI. Search for a massive scalar resonance decaying to a light scalar and a Higgs boson in the four b quarks final state with boosted topology

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

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XLVII. Measurement of the $B_s^0 \rightarrow \mu^+ \mu^-$ decay properties and search for the $B^0 \rightarrow \mu^+ \mu^-$ decay in proton-proton collisions at s=13 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.842, 2023 (SCI-Expanded)

XLVIII. Search for nonresonant Higgs boson pair production in final state with two bottom quarks and two tau leptons in proton-proton collisions at s=13 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.

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XLIX. Precision measurement of the Z boson invisible width in pp collisions root s=13 TeV

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

PHYSICS LETTERS B, cilt.842, 2023 (SCI-Expanded)

L. Probing Heavy Majorana Neutrinos and the Weinberg Operator through Vector Boson Fusion Processes in Proton-Proton Collisions at $\sqrt{s}=13$ 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 letters, cilt.131, sa.1, ss.11803, 2023 (SCI-Expanded)

LI. Search for CP violation in $t \bar{t} H$ and tH production in multilepton channels in proton-proton collisions at $\sqrt{s} = 13$ 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.

Journal of High Energy Physics, cilt.2023, sa.7, 2023 (SCI-Expanded)

LII. Search for direct pair production of supersymmetric partners of τ leptons in the final state with two hadronically decaying τ leptons and missing transverse momentum in proton-proton collisions at Formula Presented

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.

Physical Review D, cilt.108, sa.1, 2023 (SCI-Expanded)

LIII. CMS pythia 8 colour reconnection tunes based on underlying-event data

Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Valle A. E. D., Frühwirth R., Jeitler M., et al.

European Physical Journal C, cilt.83, sa.7, 2023 (SCI-Expanded)

LIV. Search for CP violating top quark couplings in pp collisions at $\sqrt{s} = 13$ TeV

Tumasyan A., Adam W., Bergauer T., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., Krammer N., Lechner L., Liko D., et al.

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- LV. **Search for narrow resonances in the Formula Presented-tagged dijet mass spectrum in proton-proton collisions at Formula Presented**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Del Valle A. E., Frühwirth R., Jeitler M., et al.
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- LVI. **Measurement of the mass dependence of the transverse momentum of lepton pairs in Drell-Yan production in proton-proton collisions at $\sqrt{s}=13\text{TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Dragicevic M., Valle A. E. D., Frühwirth R., Jeitler M., Krammer N., et al.
European Physical Journal C, cilt.83, sa.7, 2023 (SCI-Expanded)
- LVII. **Observation of electroweak $W+W^-$ pair production in association with two jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.
PHYSICS LETTERS B, cilt.841, 2023 (SCI-Expanded)
- LVIII. **Search for long-lived particles decaying to a pair of muons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Journal of High Energy Physics, cilt.2023, sa.5, 2023 (SCI-Expanded)
- LIX. **Search for CP violation using (Formula presented.) events in the lepton+jets channel in pp collisions at $\sqrt{s} = 13\text{ TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Frühwirth R., Jeitler M., et al.
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- LX. **Search for top squarks in the four-body decay mode with single lepton final states in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
Journal of High Energy Physics, cilt.2023, sa.6, 2023 (SCI-Expanded)
- LXI. **Search for nonresonant Higgs boson pair production in the four leptons plus twob jets final state in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$**
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