

Merve Ince Lezki

List of Publications by Year in descending order

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Version: 2024-02-01

179
papers

4,296
citations

136950

32
h-index

155660

55
g-index

181
all docs

181
docs citations

181
times ranked

6668
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 6 |
| 2 | Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 5 |
| 3 | Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153. | 3.9 | 14 |
| 4 | Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 1 |
| 5 | Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290. | 3.9 | 18 |
| 6 | Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 13 |
| 7 | Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 5 |
| 8 | Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 12 |
| 9 | Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 2 |
| 10 | Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 6 |
| 11 | Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 5 |
| 12 | Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 5 |
| 13 | Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 2 |
| 14 | Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 2 |
| 15 | Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 4 |
| 16 | Observation of $B^0 \rightarrow \mu^+ \mu^- (2S) K^0_{\text{short}}$ and $B^0_{\text{short}} \rightarrow \mu^+ \mu^- (2S) K^0_{\text{short}}$ decays. European Physical Journal C, 2022, 82, 1. | 3.9 | 1 |
| 17 | Search for the lepton flavor violating decay $\tilde{L} \rightarrow \ell \tau^+ \tau^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 3 |
| 18 | Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13. | 3.9 | 33 |

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|----|--|-----|-----------|
| 19 | Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 54 |
| 20 | Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2021, 81, 3. | 3.9 | 33 |
| 21 | The very forward CASTOR calorimeter of the CMS experiment. Journal of Instrumentation, 2021, 16, P02010-P02010. | 1.2 | 10 |
| 22 | Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 14 |
| 23 | Measurements of $\text{pp} \rightarrow \text{Z} \text{Z}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2021, 81, 200. | 3.9 | 24 |
| 24 | Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 15 |
| 25 | Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 26 |
| 26 | Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using effective field theory. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 12 |
| 27 | Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 28 | Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 28 |
| 29 | Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312. | 3.9 | 12 |
| 30 | Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 8, \text{TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 9 |
| 31 | Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2021, 81, 378. | 3.9 | 40 |
| 32 | First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 11 |
| 33 | Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 3 |
| 34 | Measurements of the differential cross sections of the production of Z + jets and $\tilde{\chi}^0 + \text{jets}$ and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 35 | In-medium modification of dijets in PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 36 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2021, 81, 488. | 3.9 | 35 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s} = 13$. Journal of Instrumentation, 2021, 16, P07001. | 1.2 | 6 |
| 38 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 27 |
| 39 | Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 62 |
| 40 | MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV}. European Physical Journal C, 2021, 81, 629. | 3.9 | 18 |
| 41 | Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 102002. | 7.8 | 5 |
| 42 | Search for a heavy vector resonance decaying to a Z -boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 688. | 3.9 | 9 |
| 43 | Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV}. European Physical Journal C, 2021, 81, 723. | 3.9 | 19 |
| 44 | Measurements of angular distance and momentum ratio distributions in three-jet and Z +two-jet final states in pp collisions. European Physical Journal C, 2021, 81, 852. | 3.9 | 2 |
| 45 | Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 122001. | 7.8 | 16 |
| 46 | Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800. | 3.9 | 123 |
| 47 | Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 970. | 3.9 | 18 |
| 48 | Selection of the silicon sensor thickness for the Phase-2 upgrade of the CMS Outer Tracker. Journal of Instrumentation, 2021, 16, P11028. | 1.2 | 3 |
| 49 | Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 1 |
| 50 | Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 151802. | 7.8 | 20 |
| 51 | Beam test performance of prototype silicon detectors for the Outer Tracker for the Phase-2 Upgrade of CMS. Journal of Instrumentation, 2020, 15, P03014-P03014. | 1.2 | 6 |
| 52 | The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 53 | Investigation into the event-activity dependence of $\tilde{\chi}(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 12 |
| 54 | Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 11 |

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|----|---|-----|-----------|
| 55 | A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10. | 2.9 | 21 |
| 56 | Experimental study of different silicon sensor options for the upgrade of the CMS Outer Tracker. Journal of Instrumentation, 2020, 15, P04017-P04017. | 1.2 | 5 |
| 57 | Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 58 | Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 59 | Measurement of properties of B_{μ}^0 decays and search for $B_{\mu}^0 \rightarrow \tau^+ \tau^- \nu_{\tau} \nu_{\mu}$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 41 |
| 60 | Search for a light pseudoscalar Higgs boson in the boosted $\tau^+ \tau^- \nu_{\tau} \nu_{\mu}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 23 |
| 61 | Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027. | 1.2 | 27 |
| 62 | Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 10 |
| 63 | Measurement of the cross section for $t\bar{t}$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 5 |
| 64 | Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 41 |
| 65 | Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 37 |
| 66 | Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002. | 1.2 | 3 |
| 67 | Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 7.8 | 13 |
| 68 | Observation of the $B_{\mu}^0 \rightarrow \tau^+ \tau^- \nu_{\tau} \nu_{\mu}$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001. | 7.8 | 14 |
| 69 | Study of central exclusive production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718. | 3.9 | 7 |
| 70 | Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752. | 3.9 | 23 |
| 71 | Diffusion inside jets Using Pb-Pb and pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001. | 7.8 | 9 |
| 72 | Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 25 |

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|----|--|-----|-----------|
| 73 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017. | 1.2 | 84 |
| 74 | Search for decays of the 125 GeV Higgs boson into a Z boson and a $\bar{\nu}\nu$ meson. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 75 | Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001. | 7.8 | 7 |
| 76 | Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 21 |
| 77 | Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 66 |
| 78 | Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 79 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 80 | Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 2 |
| 81 | Search for new neutral Higgs bosons through the $\text{H} \rightarrow \text{Z} \rightarrow \ell\ell^+\ell^-\text{b}\bar{\text{b}}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 27 |
| 82 | Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 189. | 3.9 | 22 |
| 83 | Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 534. | 3.9 | 14 |
| 84 | Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 85 | Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive W^{\pm} and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 86 | Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 7 |
| 87 | Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 43. | 3.9 | 11 |
| 88 | Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 1 |
| 89 | Evidence for W^+W^- production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 1. | 3.9 | 10 |
| 90 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2020, 80, 75. | 3.9 | 78 |

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|-----|--|-----|-----------|
| 91 | Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3. | 3.9 | 70 |
| 92 | Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4. | 3.9 | 198 |
| 93 | Measurement of the cross section for the production of a Z boson and a W boson versus the $\cos^2\theta^*$ distribution in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 131802. | 7.8 | 61 |
| 94 | Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau\mu$, and $e\tau$, in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 15 |
| 95 | A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 96 | Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 131802. | 7.8 | 61 |
| 97 | Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 25 |
| 98 | Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 99 | A multi-dimensional search for new heavy resonances decaying to boosted W boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 237. | 3.9 | 31 |
| 100 | Measurement of the top quark pair production cross section in dilepton final states containing one τ , lepton in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 2 |
| 101 | Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 26 |
| 102 | Dependence of inclusive jet production on the anti- k_T distance parameter in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 8 |
| 103 | Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 13 |
| 104 | Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s}=8$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164. | 3.9 | 5 |
| 105 | Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370. | 3.9 | 22 |
| 106 | Measurement of normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1. | 3.9 | 33 |
| 107 | Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two τ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 33 |
| 108 | Search for a W boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 5 |

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|-----|---|-----|-----------|
| 109 | Search for top quark partners with charge $5/3$ in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 110 | Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 3 |
| 111 | Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 17 |
| 112 | Search for excited leptons in $\hat{a}, \hat{a}, \hat{f}^3$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 3 |
| 113 | Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 24 |
| 114 | Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 9 |
| 115 | Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 702. | 3.9 | 33 |
| 116 | Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 564. | 3.9 | 50 |
| 117 | Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 8 |
| 118 | Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313. | 3.9 | 40 |
| 119 | Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 313. | 3.9 | 8 |
| 120 | Search for a Light Charged Higgs Boson Decaying to a W Boson and a C Boson and a P Boson in Final States with e . Journal of High Energy Physics, 2019, 2019, 1. | 7.8 | 21 |
| 121 | Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \tilde{\nu}_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 54 |
| 122 | Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305. | 3.9 | 4 |
| 123 | Search for the chiral magnetic effect at the LHC with the CMS experiment. Nuclear Physics A, 2019, 982, 527-530. | 1.5 | 3 |
| 124 | Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 125 | Search for a low-mass \tilde{I}, \tilde{I}^* resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 9 |
| 126 | Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to $\tilde{I},$ leptons. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 6 |
| 146 | Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 14 |
| 147 | Search for resonant $\overline{\text{tt}}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 23 |
| 148 | Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 7.8 | 30 |
| 149 | Search for resonant $\overline{\text{tt}}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 7.8 | 62 |
| 150 | Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 14 |
| 151 | Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 40 |
| 152 | Search for resonances decaying to a pair of Higgs bosons in the $b\overline{b}q\overline{q}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 10 |
| 153 | The DAQ and control system for the CMS Phase-1 pixel detector upgrade. Journal of Instrumentation, 2019, 14, P10017-P10017. | 1.2 | 2 |
| 154 | Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in $p\overline{p}$ collisions at $\sqrt{s} = 8, \sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 969. | 3.9 | 6 |
| 155 | Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 11 |
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