

Shimaa AbuZeid

List of Publications by Year in descending order

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508
papers

17,334
citations

18482

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36028

97
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docs citations

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times ranked

9272
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Search for $W\tilde{\chi}^3$ resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using hadronic decays of Lorentz-boosted W bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 826, 136888. | 4.1 | 1 |
| 2 | Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s}=2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 4.7 | 1 |
| 3 | Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. <i>Physical Review Letters</i> , 2022, 128, 122301. | 7.8 | 11 |
| 4 | Measurement of W differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV and effective field. <i>Physical Review D</i> , 2022, 105, . | 4.7 | 4 |
| 5 | Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 4.7 | 12 |
| 6 | 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. <i>Journal of High Energy Physics</i> , 2022, 2022, 1. | 4.7 | 2 |
| 7 | Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2022, 128, 122301. | 7.8 | 10 |
| 8 | Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 832, 137263. | 4.1 | 0 |
| 9 | Search for the lepton flavor violating decay $\tilde{\chi}^0_1 \rightarrow \tau \nu_\tau$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 3 |
| 10 | Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 812, 136018. | 4.1 | 20 |
| 11 | Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 54 |
| 12 | Measurement of differential production cross sections using top quarks at large transverse momenta in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 7 |
| 13 | Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 14 |
| 14 | Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s}=13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 4.7 | 12 |
| 15 | Measurement of the $B \rightarrow \tau \nu_\tau$ production cross sections using top quarks at large transverse momenta in pp collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2021, 126, 252002. | 4.1 | 12 |
| 16 | Measurement of the $W\tilde{\chi}^3$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. <i>Physical Review Letters</i> , 2021, 126, 252002. | 7.8 | 13 |
| 17 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 488. | 3.9 | 35 |
| 18 | Observation of a New Excited Beauty Strange Baryon Decaying to $\tilde{\chi}^0_1 b \nu_\tau$. <i>Physical Review Letters</i> , 2021, 126, 252003. | 7.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 25 |
| 20 | Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 4 |
| 21 | Boson Yields and Azimuthal Anisotropy at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 102002. | 7.8 | 5 |
| 22 | Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688. | 3.9 | 9 |
| 23 | Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 3 |
| 24 | Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800. | 3.9 | 123 |
| 25 | Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 20 |
| 26 | Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review C, 2021, 103, . | 2.9 | 1 |
| 27 | Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048. | 4.1 | 18 |
| 28 | Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042. | 4.1 | 12 |
| 29 | Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042. | 7.8 | 20 |
| 30 | Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042. | 2.9 | 10 |
| 31 | Performance of the GE11 muon spectrometer upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Detectors and Experimental Astrophysics, 2020, 908, 1651802. | 1.6 | 5 |
| 32 | Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609. | 4.1 | 8 |
| 33 | 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 |
| 34 | Measurement of the cross section for W^+W^- boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 13 |
| 35 | Detector Control System for the GE1/1 slice test. Journal of Instrumentation, 2020, 15, P05023-P05023. | 1.2 | 3 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | 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 |
| 38 | Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp collisions at $\sqrt{s}=2.76$ and $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2020, 125, 102001. | 7.8 | 9 |
| 39 | Two years ^{â™} test of a temperature sensing system based on fibre Bragg grating technology for the CMS GE1/1 detectors. Journal of Physics: Conference Series, 2020, 1561, 012006. | 0.4 | 1 |
| 40 | Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 125, 102001. | 4.7 | 13 |
| 41 | Search for top quark pair production in a fully hadronic final state in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 10 |
| 42 | Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 21 |
| 43 | Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189. | 3.9 | 22 |
| 44 | Multiparticle correlation studies in $Pb-Pb$ collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2020, 101, . | 2.9 | 9 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135183. | 4.1 | 0 |
| 51 | 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 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 24 |
| 59 | Centrality and pseudorapidity dependence of the transverse energy density in $p\text{-}Pb$ collisions at $\sqrt{s}=2.9$ TeV. Physical Review C, 2019, 100, . | 2.9 | 6 |
| 60 | Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $s=13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 20 |
| 61 | 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 |
| 62 | Search for pair production of second-generation leptoquarks at $s=13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 32 |
| 63 | Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 31 |
| 64 | Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2019, 79, 702. | 3.9 | 33 |
| 65 | Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99. | 4.1 | 6 |
| 66 | Measurement of exclusive \mathcal{U} photoproduction from protons in $p\text{-}Pb$ collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2019, 79, 277. | 3.9 | 35 |
| 67 | 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 |
| 68 | Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423. | 4.1 | 41 |
| 69 | 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 |
| 70 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004. | 1.2 | 83 |
| 71 | Charged-particle angular correlations in XeXe collisions at $\sqrt{s}=2.9$ TeV. Physical Review C, 2019, 100, . | 2.9 | 6 |
| 72 | Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $p\text{-}p$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 773. | 3.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Suppression of Beauty Suppression via Nonprompt χ_{c0} Mesons in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 123, 022001. | 7.8 | 17 |
| 74 | Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \bar{\nu}_{\tau}$, decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 54 |
| 75 | 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, Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 281-297. | 3.9 | 4 |
| 76 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803. | 4.1 | 87 |
| 77 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803. | 4.1 | 36 |
| 78 | A search for pair production of new light bosons decaying into muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154. | 4.1 | 27 |
| 79 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803. | 4.1 | 14 |
| 80 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803. | 7.8 | 12 |
| 81 | Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801. | 7.8 | 37 |
| 82 | Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166. | 4.1 | 47 |
| 83 | CMS Collaboration. Nuclear Physics A, 2019, 982, 1010-1035. | 1.5 | 0 |
| 84 | Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 281-297. | 4.1 | 12 |
| 85 | Measurement of the associated production of a Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368. | 4.1 | 28 |
| 86 | Search for an $\tilde{L} \rightarrow e \tilde{\nu}_e$ gauge boson using $Z \rightarrow \tau^+ \tau^-$ events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368. | 4.1 | 49 |
| 87 | Search for a low-mass \tilde{t}, \tilde{t}^* 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 |
| 88 | 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 $\tilde{l},$ leptons. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 7 |
| 89 | Search for the pair production of light top squarks in the $e \tilde{t} \tilde{t}^* b$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 5 |
| 90 | Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269. | 3.9 | 35 |

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|-----|---|-----|-----------|
| 91 | Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 172-194. | 4.1 | 21 |
| 92 | Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421. | 3.9 | 355 |
| 93 | Search for supersymmetry in events with a photon, jets, \cancel{E}_T , and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444. | 3.9 | 11 |
| 94 | Measurements of the Higgs boson width and anomalous $H \rightarrow VV$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, . | 4.1 | 69 |
| 95 | Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 14 |
| 96 | Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 107-121. | 4.1 | 44 |
| 97 | Search for a W-like boson decaying to a lepton and a neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 107-121. | 4.1 | 28 |
| 98 | Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 368. | 3.9 | 68 |
| 99 | Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 12 |
| 100 | Measurement of inclusive very forward jet cross sections in proton-lead collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 8 |
| 101 | Search for nonresonant Higgs boson pair production in the ZZ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 11 |
| 102 | Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280. | 3.9 | 29 |
| 103 | Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 104 | Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 320-347. | 4.1 | 53 |
| 105 | Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364. | 3.9 | 48 |
| 106 | Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 520-551. | 4.1 | 116 |
| 107 | Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 7.8 | 102 |
| 108 | Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pPb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 122, 152001. | 7.8 | 24 |

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|-----|--|-----|-----------|
| 109 | Measurement of prompt $\tilde{\chi}(2S)$ production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293. | 4.1 | 15 |
| 110 | Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90. | 3.9 | 34 |
| 111 | Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123. | 3.9 | 11 |
| 112 | Search for rare decays of Z and Higgs bosons to $J/\psi + \gamma$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94. | 3.9 | 20 |
| 113 | Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 15 |
| 114 | Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 28 |
| 115 | Measurements of $\overline{\text{differential}}$ cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 28 |
| 116 | Search for $\overline{\text{production}}$ in the $\text{H} \rightarrow \text{b}\overline{\text{b}}$ decay channel with leptonic $\overline{\text{decays}}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 28 |
| 117 | Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804. | 7.8 | 3 |
| 118 | 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 |
| 119 | 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 |
| 120 | Search for resonant $\overline{\text{production}}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 23 |
| 121 | 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 |
| 122 | Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 12 |
| 123 | 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 |
| 124 | Measurement of nuclear modification factors of $\tilde{\chi}(1S)$, $\tilde{\chi}(2S)$, and $\tilde{\chi}(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293. | 4.7 | 16 |
| 125 | Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20. | 3.9 | 18 |
| 126 | Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 5 |
| 128 | Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2019, 123, 241801. | 4.1 | 9 |
| 129 | Measurement of the spin structure functions F_1^p and F_1^d in deep inelastic scattering at $\sqrt{s}=1.316$ TeV. Physical Review D, 2019, 100, . | 2.9 | 8 |
| 130 | Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 18 |
| 131 | Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 54 |
| 132 | Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801. | 7.8 | 1 |
| 133 | Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 886. | 3.9 | 16 |
| 134 | Search for Higgs boson pair production in the $W\gamma W\gamma$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 241801. | 4.1 | 40 |
| 135 | Measurement of differential cross sections for W boson pair production in association with jets at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 19-44. | 4.1 | 10 |
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