

# Antonia Di Crescenzo

## List of Publications by Citations

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245  
papers

3,102  
citations

25  
h-index

41  
g-index

249  
ext. papers

4,360  
ext. citations

4.4  
avg, IF

2.7  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 245 | Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421   | 4.2  | 153       |
| 244 | Observation of a first . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 691, 138-145   | 4.2  | 152       |
| 243 | Discovery of $\bar{\nu}_\mu$ Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment. <i>Physical Review Letters</i> , <b>2015</b> , 115, 121802  | 7.4  | 98        |
| 242 | Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 520-551         | 4.2  | 86        |
| 241 | Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4  | 4.2  | 61        |
| 240 | Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4  | 60        |
| 239 | Evidence for $\bar{\nu}_\mu$ appearance in the CNGS neutrino beam with the OPERA experiment. <i>Physical Review D</i> , <b>2014</b> , 89,   | 4.9  | 59        |
| 238 | Readout technologies for directional WIMP Dark Matter detection. <i>Physics Reports</i> , <b>2016</b> , 662, 1-46   | 27.7 | 51        |
| 237 | Search for $\bar{\nu}_\mu$ oscillations with the OPERA experiment in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4  | 48        |
| 236 | Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. <i>New Journal of Physics</i> , <b>2012</b> , 14, 013026  | 2.9  | 46        |
| 235 | Final Results of the OPERA Experiment on $\bar{\nu}_\mu$ Appearance in the CNGS Neutrino Beam. <i>Physical Review Letters</i> , <b>2018</b> , 120, 211801   | 7.4  | 46        |
| 234 | Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , <b>2019</b> , 99,   | 4.9  | 42        |
| 233 | New results on $\bar{\nu}_\mu$ appearance with the OPERA experiment in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4  | 40        |
| 232 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ using the CMS detector. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P07004-P07004   | 1    | 39        |
| 231 | Study of neutrino interactions with the electronic detectors of the OPERA experiment. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053051  | 2.9  | 39        |
| 230 | Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134826 | 4.2  | 35        |
| 229 | Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 121803  | 7.4  | 35        |

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| 228 | Observation of Two Excited $B_{c}^{+}$ States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132001  | 7.4 | 31 |
| 227 | Search for an $L_{\mu}$ gauge boson using $Z \rightarrow l\bar{l}$ events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 345-368 | 4.2 | 29 |
| 226 | Search for vector-like T and B quark pairs in final states with leptons at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 29 |
| 225 | A new generation scanning system for the high-speed analysis of nuclear emulsions. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P06002-P06002   | 1   | 28 |
| 224 | Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 96-129              | 4.2 | 27 |
| 223 | Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 368  | 4.2 | 27 |
| 222 | A new fast scanning system for the measurement of large angle tracks in nuclear emulsions. <i>Journal of Instrumentation</i> , <b>2015</b> , 10, P11006-P11006   | 1   | 26 |
| 221 | Sensitivity of the SHiP experiment to Heavy Neutral Leptons. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 25 |
| 220 | Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. <i>Progress of Theoretical and Experimental Physics</i> , <b>2014</b> , 2014, 101C01-101C01   | 5.4 | 25 |
| 219 | Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , <b>2018</b> , 78, 701   | 4.2 | 25 |
| 218 | Search for charged Higgs bosons in the $H \rightarrow \tau\bar{\tau}$ decay channel in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 24 |
| 217 | Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 140-166                 | 4.2 | 24 |
| 216 | Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,  | 4.9 | 24 |
| 215 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 75  | 4.2 | 24 |
| 214 | Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 24 |
| 213 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017   | 1   | 23 |
| 212 | Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 021801  | 7.4 | 22 |
| 211 | Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1   | 4.2 | 22 |

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| 210 | Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 21 |
| 209 | Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 20 |
| 208 | Search for pair production of second-generation leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,  | 4.9 | 20 |
| 207 | Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564   | 4.2 | 20 |
| 206 | The Continuous Motion Technique for a New Generation of Scanning Systems. <i>Scientific Reports</i> , <b>2017</b> , 7, 7310  | 4.9 | 20 |
| 205 | Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 281-307   | 4.2 | 19 |
| 204 | Study of excited $B_0$ states decaying to $B_0\pi$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135345  | 4.2 | 19 |
| 203 | Measurement and interpretation of differential cross sections for Higgs boson production at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 369-396   | 4.2 | 18 |
| 202 | Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 364  | 4.2 | 18 |
| 201 | The experimental facility for the Search for Hidden Particles at the CERN SPS. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03025-P03025   | 1   | 18 |
| 200 | Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 18 |
| 199 | Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 18 |
| 198 | Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4.9 | 18 |
| 197 | Search for $(\overline{\text{H}}\text{H})$ production in the $(\text{H}\text{to}\overline{\text{b}}\text{b})$ decay channel with leptonic $(\overline{\text{t}}\text{t})$ decays in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1 | 5.4 | 17 |
| 196 | Discovery potential for directional Dark Matter detection with nuclear emulsions. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1   | 4.2 | 17 |
| 195 | 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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 398-423                 | 4.2 | 17 |
| 194 | The active muon shield in the SHiP experiment. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P05011-P05011   | 1   | 16 |
| 193 | A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 131-154   | 4.2 | 16 |

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| 192 | Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 3  | 4.2 | 16 |
| 191 | Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134985  | 4.2 | 16 |
| 190 | Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1  | 4.2 | 16 |
| 189 | Measurement of the fragmentation of Carbon nuclei used in hadron-therapy. <i>Nuclear Physics A</i> , <b>2011</b> , 853, 124-134  | 1.3 | 16 |
| 188 | Search for $\theta$ oscillation with the OPERA experiment in the CNGS beam. <i>New Journal of Physics</i> , <b>2012</b> , 14, 033017   | 2.9 | 16 |
| 187 | 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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 16 |
| 186 | Intrinsic neutron background of nuclear emulsions for directional Dark Matter searches. <i>Astroparticle Physics</i> , <b>2016</b> , 80, 16-21   | 2.4 | 16 |
| 185 | Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at ( $\sqrt{s}$ )=8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 16 |
| 184 | Measurements of ( $\overline{\sigma}(\mathbf{t})$ ) differential cross sections in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 15 |
| 183 | Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 15 |
| 182 | Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,  | 4.9 | 15 |
| 181 | Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134876  | 4.2 | 15 |
| 180 | Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135087 | 4.2 | 15 |
| 179 | Fast simulation of muons produced at the SHiP experiment using Generative Adversarial Networks. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P11028-P11028  | 1   | 15 |
| 178 | Observation of prompt $J/\psi$ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 172-194   | 4.2 | 14 |
| 177 | Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 14 |
| 176 | Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,  | 2.7 | 14 |
| 175 | Search for vectorlike leptons in multilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4.9 | 14 |

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| 174 | Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 14 |
| 173 | Search for supersymmetry in events with a dilepton pair and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 14 |
| 172 | Search for resonant ( $\overline{t}t$ ) production in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 13 |
| 171 | Measurement of exclusive $\pi$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702   | 4.2 | 13 |
| 170 | Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , <b>2019</b> , 79, 313   | 4.2 | 13 |
| 169 | Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1  | 5.4 | 13 |
| 168 | Measurement of ( $\bar{t}t$ ) 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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1 | 4.2 | 13 |
| 167 | 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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 13 |
| 166 | Measurement of the top quark polarization and $tt$ spin correlations using dilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4.9 | 13 |
| 165 | Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 12 |
| 164 | Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 131802   | 7.4 | 12 |
| 163 | Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5.4 | 12 |
| 162 | Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 12 |
| 161 | Studies of $B$ mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939   | 4.2 | 12 |
| 160 | Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 11 |
| 159 | Production of $\Sigma^+$ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135328   | 4.2 | 11 |
| 158 | An integrated system for large scale scanning of nuclear emulsions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 703, 204-212   | 1.2 | 11 |
| 157 | Measurements of differential Z boson production cross sections in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 11 |



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| 156 | Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027   | 1   | 11 |
| 155 | Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to dilepton pairs. <i>Physical Review D</i> , <b>2019</b> , 100,  | 4.9 | 11 |
| 154 | Charged-particle nuclear modification factors in XeXe collisions at ( $\sqrt{s_{\mathrm{NN}}} = 5.44$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 11 |
| 153 | Search for the decay of a Higgs boson in the $\tau\tau$ channel in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 11 |
| 152 | Search for beyond the standard model Higgs bosons decaying into a ( $\mathrm{b}\overline{\mathrm{b}}$ ) pair in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 11 |
| 151 | Measurements of the pp $\gamma$ -WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                                  | 5.4 | 10 |
| 150 | Search for new neutral Higgs bosons through the ( $\mathrm{H}\rightarrow\mathrm{ZZ}\rightarrow\{\ell\ell\}^+\{\ell\ell\}^-\mathrm{b}\overline{\mathrm{b}}$ ) process in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1 | 5.4 | 10 |
| 149 | A multi-dimensional search for new heavy resonances decaying to boosted $\gamma\gamma$ , $\gamma Z$ , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 237   | 4.2 | 10 |
| 148 | Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134952  | 4.2 | 10 |
| 147 | Measurement of properties of ( $\mathrm{B}_s^0\rightarrow\mathrm{B}_s^0\gamma$ ) decays and search for $\mathrm{B}_s^0\rightarrow\mathrm{B}_s^0\gamma$ with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1                                   | 5.4 | 10 |
| 146 | Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4.9 | 10 |
| 145 | Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 269  | 4.2 | 9  |
| 144 | Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 9  |
| 143 | Running of the top quark mass from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135263   | 4.2 | 9  |
| 142 | A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 9  |
| 141 | Final results of the search for $\mu\mu$ oscillations with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 9  |
| 140 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 9  |
| 139 | Physics potential of an experiment using LHC neutrinos. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2019</b> , 46, 115008  | 2.9 | 9  |

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| 138 | Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 9 |
| 137 | Observation of nuclear modifications in $W\Xi$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135048  | 4.2 | 9 |
| 136 | Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 9 |
| 135 | Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697   | 4.2 | 9 |
| 134 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                  | 5.4 | 8 |
| 133 | Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 8 |
| 132 | Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152001  | 7.4 | 8 |
| 131 | Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 8 |
| 130 | Measurement of large angle fragments induced by 400 MeV $n$ carbon ion beams. <i>Measurement Science and Technology</i> , <b>2015</b> , 26, 094001  | 2   | 8 |
| 129 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 8 |
| 128 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 8 |
| 127 | Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135042 | 4.2 | 8 |
| 126 | Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 8 |
| 125 | Search for physics beyond the standard model in multilepton final states in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 8 |
| 124 | Development and characterization of a $\Xi$ -TOF detector prototype for the FOOT experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 916, 116-124            | 1.2 | 8 |
| 123 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 011803   | 7.4 | 7 |
| 122 | Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at ( $\sqrt{s}=13$ ,text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1   | 4.2 | 7 |
| 121 | Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 94   | 4.2 | 7 |



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| 120 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5-4 | 7 |
| 119 | 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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1 | 5-4 | 7 |
| 118 | Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5-4 | 7 |
| 117 | Ion charge separation with new generation of nuclear emulsion films. <i>Open Physics</i> , <b>2019</b> , 17, 233-240   | 1-3 | 7 |
| 116 | Determination of a time-shift in the OPERA set-up using high-energy horizontal muons in the LVD and OPERA detectors. <i>European Physical Journal Plus</i> , <b>2012</b> , 127, 1  | 3-1 | 7 |
| 115 | Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5-4 | 7 |
| 114 | Search for long-lived particles using delayed photons in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4-9 | 7 |
| 113 | Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231803  | 7-4 | 7 |
| 112 | Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5-4 | 7 |
| 111 | Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1                                      | 5-4 | 7 |
| 110 | Search for dark matter produced in association with a Higgs boson decaying to $\tau\bar{\tau}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5-4 | 7 |
| 109 | Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\bar{\nu}_\tau$ In Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 131802                            | 7-4 | 6 |
| 108 | Measurement of prompt ( $\tau$ S) production cross sections in proton-lead and proton-proton collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 509-532            | 4-2 | 6 |
| 107 | Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 90   | 4-2 | 6 |
| 106 | Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132003  | 7-4 | 6 |
| 105 | Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , <b>2020</b> , 80, 534   | 4-2 | 6 |
| 104 | Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43  | 4-2 | 6 |
| 103 | Constraints on the $\rho_{c1}$ versus $\rho_{c2}$ Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 162002  | 7-4 | 6 |

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| 102 | Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\mu$ and $e$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 6 |
| 101 | Development of a super-resolution optical microscope for directional dark matter search experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 824, 600-602 | 1.2 | 6 |
| 100 | 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 $(\sqrt{s} = 13, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 1  | 4.2 | 6 |
| 99  | Addendum: search for $\mu$ - $e$ oscillations with the OPERA experiment in the CNGS beam. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 6 |
| 98  | Super-resolution high-speed optical microscopy for fully automated readout of metallic nanoparticles and nanostructures. <i>Scientific Reports</i> , <b>2020</b> , 10, 18773  | 4.9 | 6 |
| 97  | Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV with $137 \text{ fb}^{-1}$ in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , <b>2020</b> , 101,  | 4.9 | 6 |
| 96  | Measurement of the differential Drell-Yan cross section in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 6 |
| 95  | Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 893   | 4.2 | 6 |
| 94  | Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886  | 4.2 | 6 |
| 93  | Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 6 |
| 92  | Measurement of $B_s^0$ meson production in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 168-190   | 4.2 | 5 |
| 91  | Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                                 | 5.4 | 5 |
| 90  | Study of charged hadron multiplicities in charged-current neutrino-lead interactions in the OPERA detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1  | 4.2 | 5 |
| 89  | Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 5 |
| 88  | An embedding technique to determine backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P06032-P06032  | 1   | 5 |
| 87  | Measurement of the top quark Yukawa coupling from $tt$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4.9 | 5 |
| 86  | Nuclear emulsions as a very high resolution detector for directional dark matter search. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, C01043-C01043   | 1   | 5 |
| 85  | Measurements of $^{12}\text{C}$ ions beam fragmentation at large angle with an Emulsion Cloud Chamber. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P08013-P08013  | 1   | 5 |

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| 84 | Observation of the $B_0 \rightarrow J/\psi$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 802, 135203   | 4.2 | 5 |
| 83 | 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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1                            | 5.4 | 5 |
| 82 | Directionality preservation of nuclear recoils in an emulsion detector for directional dark matter search. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 047  | 6.4 | 5 |
| 81 | Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{\text{q}})q(\overline{\text{q}})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                      | 5.4 | 5 |
| 80 | Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 799, 135049  | 4.2 | 5 |
| 79 | Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135283                | 4.2 | 5 |
| 78 | Measurement of the groomed jet mass in PbPb and pp collisions at $(\sqrt{s_{\text{NN}}})=5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 5 |
| 77 | Search for Higgs and Z boson decays to $J/\psi$ $\Upsilon$ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 797, 134811 | 4.2 | 4 |
| 76 | Search for a low-mass $\chi$ resonance in association with a bottom quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 4 |
| 75 | Search for the pair production of light top squarks in the $e\bar{e}\chi$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 4 |
| 74 | Search for nonresonant Higgs boson pair production in the $(\text{b}\overline{\text{b}}\text{b}\overline{\text{b}})$ final state at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5.4 | 4 |
| 73 | Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123  | 4.2 | 4 |
| 72 | Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20  | 4.2 | 4 |
| 71 | The magnet of the scattering and neutrino detector for the SHiP experiment at CERN. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P01027-P01027   | 1   | 4 |
| 70 | Evidence for $(\text{W})\text{W}$ production from double-parton interactions in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2020</b> , 80, 1  | 4.2 | 4 |
| 69 | Search for a $W^?$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 4 |
| 68 | Measurement of low-energy neutrino cross-sections with the PEANUT experiment. <i>New Journal of Physics</i> , <b>2010</b> , 12, 113028  | 2.9 | 4 |
| 67 | Measurement of differential cross sections and charge ratios for $\gamma$ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 370   | 4.2 | 4 |

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| 66 | Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5-4 | 4 |
| 65 | Final results on neutrino oscillation parameters from the OPERA experiment in the CNGS beam. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4-9 | 4 |
| 64 | 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 $\tau$ leptons. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                                | 5-4 | 3 |
| 63 | Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189  | 4-2 | 3 |
| 62 | Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1                                | 5-4 | 3 |
| 61 | Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft $\tau$ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2020</b> , 124, 041803 | 7-4 | 3 |
| 60 | Search for the production of $W\tau W$ events at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,   | 4-9 | 3 |
| 59 | Measurement of the cosmic ray muon flux seasonal variation with the OPERA detector. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2019</b> , 2019, 003-003  | 6-4 | 3 |
| 58 | Improving the detection efficiency in nuclear emulsion trackers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 776, 45-49                                       | 1-2 | 3 |
| 57 | Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5-4 | 3 |
| 56 | Investigation into the event-activity dependence of $\tau$ relative production in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5-4 | 3 |
| 55 | Measurement of differential cross sections for Z boson pair production in association with jets at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 19-44                                  | 4-2 | 3 |
| 54 | Event shape variables measured using multijet final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5-4 | 3 |
| 53 | Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305   | 4-2 | 2 |
| 52 | . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5-4 | 2 |
| 51 | Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1  | 5-4 | 2 |
| 50 | First observation of a tau neutrino charged current interaction with charm production in the OPERA experiment. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1  | 4-2 | 2 |
| 49 | Multiparticle correlation studies in pPb collisions at $s_{NN}=8.16$ TeV. <i>Physical Review C</i> , <b>2020</b> , 101,  | 2-7 | 2 |

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| 48 | Determination of the strong coupling constant $\alpha_s(m_Z)$ from measurements of inclusive $W^\pm$ and Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1 | 5.4 | 2 |
| 47 | High-resolution tracking in a GEM-emulsion detector. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P09001-P09001  |     | 2 |
| 46 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                               | 5.4 | 2 |
| 45 | Search for excited leptons in $\tau$ final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 2 |
| 44 | Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,  | 2.7 | 2 |
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| 42 | A fast automatic plate changer for the analysis of nuclear emulsions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 716, 96-100                            | 1.2 | 2 |
| 41 | Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 2 |
| 40 | Experiences from the RPC data taking during the CMS RUN-2. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C10027-C10027  |     | 2 |
| 39 | The production of isolated photons in PbPb and pp collisions at $(\sqrt{s_{\mathbb{N}\mathbb{N}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 2 |
| 38 | Bose-Einstein correlations of charged hadrons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1   | 5.4 | 2 |
| 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. <i>Physical Review Letters</i> , <b>2020</b> , 124, 202001  | 7.4 | 2 |
| 36 | Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718  | 4.2 | 2 |
| 35 | 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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 752   | 4.2 | 2 |
| 34 | Charge identification of nuclear fragments with the FOOT Time-Of-Flight system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2021</b> , 1001, 165206                 | 1.2 | 2 |
| 33 | Determination of the muon charge sign with the dipolar spectrometers of the OPERA experiment. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P07022-P07022   | 1   | 2 |
| 32 | 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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                                       | 5.4 | 2 |
| 31 | Measurement of the muon flux from 400 GeV/c protons interacting in a thick molybdenum/tungsten target. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1   | 4.2 | 2 |



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| 30 | Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444   | 4.2 | 1 |
| 29 | Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , <b>2019</b> , 122, 151802   | 7.4 | 1 |
| 28 | Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 081804  | 7.4 | 1 |
| 27 | Results from the OPERA experiment. <i>Nuclear and Particle Physics Proceedings</i> , <b>2015</b> , 265-266, 186-188  | 0.4 | 1 |
| 26 | 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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 1 |
| 25 | Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 1 |
| 24 | Improved-RPC for the CMS muon system upgrade for the HL-LHC. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C11012-C11012   | 1   | 1 |
| 23 | Study of the ( $\mathbf{B}^+ \rightarrow \mathbf{J}/\psi \overline{\Lambda} \mathbf{p}$ ) decay in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 1 |
| 22 | Measurement of the cross section for ( $\mathbf{t} \overline{\mathbf{t}}$ ) production with additional jets and b jets in pp collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1                                    | 5.4 | 1 |
| 21 | Sensitivity of the SHiP experiment to dark photons decaying to a pair of charged particles. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1   | 4.2 | 1 |
| 20 | Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969   | 4.2 | 1 |
| 19 | The Drift Chamber detector of the FOOT experiment: Performance analysis and external calibration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2021</b> , 986, 164756 | 1.2 | 1 |
| 18 | OPERA tau neutrino charged current interactions. <i>Scientific Data</i> , <b>2021</b> , 8, 218   | 8.2 | 1 |
| 17 | Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 773   | 4.2 | 0 |
| 16 | NEWSdm: Nuclear Emulsions for WIMP Search with directional measurement. <i>EPJ Web of Conferences</i> , <b>2017</b> , 164, 07020   | 0.3 | 0 |
| 15 | Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164  | 4.2 | 0 |
| 14 | RPC system in the CMS Level-1 Muon Trigger. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C10007-C10007  | 1   | 0 |
| 13 | CMS RPC activities during LHC LS-2. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C10025-C10025  | 1   | 0 |



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| 12 | Aging study on Resistive Plate Chambers of the CMS Muon Detector for HL-LHC. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C11002-C11002   | 1   | 0 |
| 11 | Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1 | 5.4 | 0 |
| 10 | Charge identification of fragments with the emulsion spectrometer of the FOOT experiment. <i>Open Physics</i> , <b>2021</b> , 19, 383-394  | 1.3 | 0 |
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