

Antonia Di Crescenzo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Directionality preservation of nuclear recoils in an emulsion detector for directional dark matter search. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 047	6.4	5
244	Sensitivity of the SHiP experiment to dark photons decaying to a pair of charged particles. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
243	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> , 2021 , 1001, 165206	1.2	2
242	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> , 2021 , 986, 164756	1.2	1
241	Charge identification of fragments with the emulsion spectrometer of the FOOT experiment. <i>Open Physics</i> , 2021 , 19, 383-394	1.3	0
240	OPERA tau neutrino charged current interactions. <i>Scientific Data</i> , 2021 , 8, 218	8.2	1
239	Effects of the electronic threshold on the performance of the RPC system of the CMS experiment. <i>Journal of Instrumentation</i> , 2020 , 15, C09025-C09025	1	
238	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
237	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> , 2020 , 2020, 1	5.4	12
236	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> , 2020 , 2020, 1	5.4	20
235	First observation of a tau neutrino charged current interaction with charm production in the OPERA experiment. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	2
234	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> , 2020 , 2020, 1	5.4	8
233	Running of the top quark mass from proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135263	4.2	9
232	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> , 2020 , 2020, 1	5.4	1
231	Search for new neutral Higgs bosons through the $(\mathrm{H})\rightarrow\mathrm{ZA}\rightarrow\{\ell\}^{\{+\}\}\{\ell\}^{\{-}\}\overline{\mathrm{b}}\mathrm{b}$) process in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
230	The magnet of the scattering and neutrino detector for the SHiP experiment at CERN. <i>Journal of Instrumentation</i> , 2020 , 15, P01027-P01027	1	4
229	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3

228	Multiparticle correlation studies in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , 2020 , 101,	2.7	2
227	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6
226	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> , 2020 , 2020, 1	5.4	7
225	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> , 2020 , 2020, 1	5.4	2
224	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> , 2020 , 2020, 1	5.4	3
223	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
222	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> , 2020 , 2020, 1	5.4	1
221	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 041803	7.4	3
220	Evidence for (W^+W^-) production from double-parton interactions in proton-proton collisions at ($\sqrt{s} = 13$,text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
219	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> , 2020 , 80, 75	4.2	24
218	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> , 2020 , 80, 3	4.2	16
217	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
216	Constraints on the ρ_{c1} versus ρ_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 162002	7.4	6
215	Search for lepton flavour violating decays of a neutral heavy Higgs boson to τ and $e\tau$ in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
214	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
213	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> , 2020 , 124, 131802	7.4	12
212	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> , 2020 , 2020, 1	5.4	11
211	Study of excited B_0 states decaying to $B_0\tau\tau$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135345	4.2	19

210	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> , 2020 , 2020, 1	5.4	7
209	A multi-dimensional search for new heavy resonances decaying to boosted γ , W , or boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
208	Production of Ξ^+ 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> , 2020 , 803, 135328	4.2	11
207	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164	4.2	0
206	Measurement of differential cross sections and charge ratios for s -channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
205	Measurement of $(\bar{t}t)$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s}=13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	13
204	RPC system in the CMS Level-1 Muon Trigger. <i>Journal of Instrumentation</i> , 2020 , 15, C10007-C10007	1	0
203	A new approach for CMS RPC current monitoring using Machine Learning techniques. <i>Journal of Instrumentation</i> , 2020 , 15, C10009-C10009	1	0
202	CMS RPC activities during LHC LS-2. <i>Journal of Instrumentation</i> , 2020 , 15, C10025-C10025	1	0
201	Aging study on Resistive Plate Chambers of the CMS Muon Detector for HL-LHC. <i>Journal of Instrumentation</i> , 2020 , 15, C11002-C11002	1	0
200	Improved-RPC for the CMS muon system upgrade for the HL-LHC. <i>Journal of Instrumentation</i> , 2020 , 15, C11012-C11012	1	1
199	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> , 2020 , 2020, 1	5.4	16
198	Dependence of inclusive jet production on the anti- k_T distance parameter in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
197	Observation of the $B_0 \rightarrow J/\psi \mu^+ \mu^-$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135203	4.2	5
196	Experiences from the RPC data taking during the CMS RUN-2. <i>Journal of Instrumentation</i> , 2020 , 15, C10027-C10027	1	0
195	Observation of nuclear modifications in W 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> , 2020 , 800, 135048	4.2	9
194	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 $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135087	4.2	15
193	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 800, 135042	4.2	8

192	The production of isolated photons in PbPb and pp collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
191	Investigation into the event-activity dependence of η (nS) relative production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
190	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
189	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	8
188	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> , 2020 , 2020, 1	5-4	5
187	Measurement of properties of $(\mathrm{B})_{\mathrm{s}}^0$ - $\bar{\mathrm{B}}_{\mathrm{s}}^0$ decays and search for B_0 - $\bar{\mathrm{B}}_0$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	10
186	Super-resolution high-speed optical microscopy for fully automated readout of metallic nanoparticles and nanostructures. <i>Scientific Reports</i> , 2020 , 10, 18773	4-9	6
185	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
184	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> , 2020 , 2020, 1	5-4	4
183	Measurement of the cross section for $(\overline{\mathrm{t}}\mathrm{t})$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
182	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> , 2020 , 2020, 1	5-4	13
181	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> , 2020 , 2020, 1	5-4	18
180	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
179	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV with 137 fb^{-1} in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , 2020 , 101,	4-9	6
178	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> , 2020 , 124, 202001	7-4	2
177	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4-2	2
176	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> , 2020 , 80, 752	4-2	2
175	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> , 2020 , 2020, 1	5-4	8

174	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> , 2020 , 2020, 1	5.4	0
173	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135285	4.2	5
172	Measurement of the muon flux from 400 GeV/c protons interacting in a thick molybdenum/tungsten target. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	2
171	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> , 2019 , 79, 773	4.2	0
170	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> , 2019 , 123, 131802	7.4	6
169	Search for charged Higgs bosons in the $H\bar{H} \rightarrow \tau\bar{\tau}$ decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
168	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
167	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134826	4.2	35
166	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> , 2019 , 795, 281-307	4.2	19
165	Search for Higgs and Z boson decays to $J/\psi\gamma$ pairs in the four-muon final state in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134811	4.2	4
164	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> , 2019 , 796, 131-154	4.2	16
163	Measurement of B_s^0 meson production in pp and PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 168-190	4.2	5
162	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> , 2019 , 2019, 1	5.4	8
161	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 011803	7.4	7
160	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 021801	7.4	22
159	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 140-166	4.2	24
158	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> , 2019 , 792, 369-396	4.2	18
157	Search for an L gauge boson using $Z \rightarrow l\bar{l}$ events in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 345-368	4.2	29

156	Search for a low-mass χ resonance in association with a bottom quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
155	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 $\ell\ell$ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	3
154	Search for the pair production of light top squarks in the $e\mu\gamma$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
153	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 269	4-2	9
152	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> , 2019 , 2019, 1	5-4	5
151	Observation of prompt J/ψ 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> , 2019 , 791, 172-194	4-2	14
150	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4-2	153
149	Search for supersymmetry in events with a photon, jets, γ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4-2	1
148	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> , 2019 , 99,	4-9	42
147	Measurements of the pp γ -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> , 2019 , 2019, 1	5-4	10
146	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 96-129	4-2	27
145	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> , 2019 , 79, 368	4-2	27
144	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> , 2019 , 79, 1	4-2	7
143	. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	2
142	Search for nonresonant Higgs boson pair production in the $(\overline{b}b\overline{b}b)$ final state at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	4
141	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> , 2019 , 2019, 1	5-4	8
140	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> , 2019 , 79, 364	4-2	18
139	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 520-551	4-2	86

138	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803	7.4	35
137	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> , 2019 , 122, 152001	7.4	8
136	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1
135	Measurement of prompt (ZS) production cross sections in protonLead and protonProton collisions at $\sqrt{s}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 509-532	4.2	6
134	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> , 2019 , 79, 90	4.2	6
133	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 123	4.2	4
132	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7
131	The experimental facility for the Search for Hidden Particles at the CERN SPS. <i>Journal of Instrumentation</i> , 2019 , 14, P03025-P03025	1	18
130	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> , 2019 , 2019, 1	5.4	9
129	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	24
128	Measurements of $(\overline{\mathit{t}})$ differential cross sections in proton-proton collisions at $(\sqrt{s}=13)$ TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
127	Search for $(\overline{\mathit{t}})\mathit{H}$ production in the $(\mathit{H})\to\mathit{b}\overline{\mathit{b}}$ decay channel with leptonic $(\overline{\mathit{t}})$ decays in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	17
126	Search for Narrow HResonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804	7.4	1
125	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> , 2019 , 2019, 1	5.4	2
124	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> , 2019 , 2019, 1	5.4	8
123	Search for resonant $(\overline{\mathit{t}})$ production in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
122	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> , 2019 , 122, 132003	7.4	6
121	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> , 2019 , 122, 132001	7.4	31

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> , 2019 , 2019, 1	5.4	7
119	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> , 2019 , 2019, 1	5.4	14
118	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 20	4.2	4
117	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
116	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> , 2019 , 2019, 1	5.4	4
115	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> , 2019 , 2019, 1	5.4	9
114	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> , 2019 , 2019, 1	5.4	2
113	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> , 2019 , 2019, 1	5.4	8
112	Search for excited leptons in τ final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
111	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
110	Sensitivity of the SHiP experiment to Heavy Neutral Leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	25
109	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	2
108	Search for the production of $W\bar{W}W$ events at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	3
107	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> , 2019 , 79, 1	4.2	6
106	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	20
105	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	15
104	Measurement of exclusive τ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 702	4.2	13
103	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 76-99	4.2	2

102	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
101	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> , 2019 , 795, 398-423	4.2	17
100	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> , 2019 , 2019, 1	5.4	5
99	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> , 2019 , 79, 313	4.2	13
98	Measurement of the cosmic ray muon flux seasonal variation with the OPERA detector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 003-003	6.4	3
97	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134876	4.2	15
96	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> , 2019 , 798, 134952	4.2	10
95	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> , 2019 , 798, 134985	4.2	16
94	Physics potential of an experiment using LHC neutrinos. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019 , 46, 115008	2.9	9
93	An embedding technique to determine \mathbb{B} backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P06032-P06032	1	5
92	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> , 2019 , 14, P07004-P07004	1	39
91	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. <i>Physical Review D</i> , 2019 , 100,	4.9	5
90	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44\text{ TeV}$. <i>Physical Review C</i> , 2019 , 100,	2.7	14
89	Ion charge separation with new generation of nuclear emulsion films. <i>Open Physics</i> , 2019 , 17, 233-240	1.3	7
88	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
87	Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
86	Measurements of differential Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
85	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9

84	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> , 2019 , 2019, 1	5-4	1
83	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{q})q(\overline{q})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	5
82	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4-2	1
81	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> , 2019 , 799, 135049	4-2	5
80	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4-9	14
79	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , 2019 , 100,	4-9	18
78	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> , 2019 , 100,	4-9	13
77	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to τ lepton pairs. <i>Physical Review D</i> , 2019 , 100,	4-9	11
76	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4-9	10
75	Fast simulation of muons produced at the SHiP experiment using Generative Adversarial Networks. <i>Journal of Instrumentation</i> , 2019 , 14, P11028-P11028	1	15
74	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	6
73	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> , 2019 , 2019, 1	5-4	2
72	Final results on neutrino oscillation parameters from the OPERA experiment in the CNGS beam. <i>Physical Review D</i> , 2019 , 100,	4-9	4
71	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> , 2019 , 79, 893	4-2	6
70	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> , 2019 , 2019, 1	5-4	21
69	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. <i>Physical Review Letters</i> , 2019 , 123, 241801	7-4	
68	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4-2	6
67	Search for long-lived particles using delayed photons in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4-9	7

66	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 231803	7.4	7
65	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> , 2019 , 789, 19-44	4.2	3
64	Development and characterization of a π^0 -TOF detector prototype for the FOOT experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 916, 116-124	1.2	8
63	Study of charged hadron multiplicities in charged-current neutrino-lead interactions in the OPERA detector. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	5
62	Discovery potential for directional Dark Matter detection with nuclear emulsions. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	17
61	Final results of the search for $\mu\mu$ oscillations with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
60	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> , 2018 , 2018, 1	5.4	7
59	Measurement of the groomed jet mass in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	5
58	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> , 2018 , 2018, 1	5.4	7
57	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> , 2018 , 2018, 1	5.4	16
56	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> , 2018 , 2018, 1	5.4	6
55	Charged-particle nuclear modification factors in XeXe collisions at ($\sqrt{s_{\mathrm{NN}}}=5.44$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
54	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> , 2018 , 2018, 1	5.4	14
53	Event shape variables measured using multijet final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
52	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> , 2018 , 2018, 1	5.4	12
51	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> , 2018 , 2018, 1	5.4	9
50	Search for supersymmetry in events with a $\mu\mu$ pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
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46	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> , 2018 , 2018, 1	5.4	29
45	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> , 2018 , 2018, 1	5.4	7
44	Search for beyond the standard model Higgs bosons decaying into a ($\mathbf{b}\overline{\mathbf{b}}$) pair in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
43	Supernova neutrino physics with a nuclear emulsion detector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 015-015	6.4	
42	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> , 2018 , 78, 701	4.2	25
41	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> , 2018 , 2018, 1	5.4	24
40	Final Results of the OPERA Experiment on $\bar{\nu}_\mu$ Appearance in the CNGS Neutrino Beam. <i>Physical Review Letters</i> , 2018 , 120, 211801	7.4	46
39	The active muon shield in the SHiP experiment. <i>Journal of Instrumentation</i> , 2017 , 12, P05011-P05011	1	16
38	High-resolution tracking in a GEM-emulsion detector. <i>Journal of Instrumentation</i> , 2017 , 12, P09001-P09001		2
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35	Measurements of ^{12}C ions beam fragmentation at large angle with an Emulsion Cloud Chamber. <i>Journal of Instrumentation</i> , 2017 , 12, P08013-P08013	1	5
34	The Continuous Motion Technique for a New Generation of Scanning Systems. <i>Scientific Reports</i> , 2017 , 7, 7310	4.9	20
33	Readout technologies for directional WIMP Dark Matter detection. <i>Physics Reports</i> , 2016 , 662, 1-46	27.7	51
32	A new generation scanning system for the high-speed analysis of nuclear emulsions. <i>Journal of Instrumentation</i> , 2016 , 11, P06002-P06002	1	28
31	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> , 2016 , 824, 600-602	1.2	6

30	Search for sterile neutrino mixing in the muon neutrino to tau neutrino appearance channel with the OPERA detector. <i>Journal of Physics: Conference Series</i> , 2016 , 718, 062016	0.3	
29	Determination of the muon charge sign with the dipolar spectrometers of the OPERA experiment. <i>Journal of Instrumentation</i> , 2016 , 11, P07022-P07022	1	2
28	Intrinsic neutron background of nuclear emulsions for directional Dark Matter searches. <i>Astroparticle Physics</i> , 2016 , 80, 16-21	2.4	16
27	Results from the OPERA experiment. <i>Nuclear and Particle Physics Proceedings</i> , 2015 , 265-266, 186-188	0.4	1
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24	Discovery of $\bar{\nu}$ Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment. <i>Physical Review Letters</i> , 2015 , 115, 121802	7.4	98
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22	A new fast scanning system for the measurement of large angle tracks in nuclear emulsions. <i>Journal of Instrumentation</i> , 2015 , 10, P11006-P11006	1	26
21	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> , 2015 , 776, 45-49	1.2	3
20	Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	16
19	Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	22
18	Nuclear emulsions as a very high resolution detector for directional dark matter search. <i>Journal of Instrumentation</i> , 2014 , 9, C01043-C01043	1	5
17	Evidence for $\bar{\nu}$ appearance in the CNGS neutrino beam with the OPERA experiment. <i>Physical Review D</i> , 2014 , 89,	4.9	59
16	Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. <i>Progress of Theoretical and Experimental Physics</i> , 2014 , 2014, 101C01-101C01	5.4	25
15	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> , 2013 , 2013, 1	5.4	12
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13	Search for μ - τ oscillations with the OPERA experiment in the CNGS beam. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	48

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9	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
8	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> , 2012 , 127, 1	3.1	7
7	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. <i>New Journal of Physics</i> , 2012 , 14, 013026	2.9	46
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