

Marielle Chartier

List of Publications by Year in descending order

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444
papers

12,668
citations

23544

58
h-index

48277

88
g-index

451
all docs

451
docs citations

451
times ranked

7511
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	6.5	399
2	Two-Proton Radioactivity of ^{45}Fe . Physical Review Letters, 2002, 89, 102501.	2.9	238
3	First evidence for the two-proton decay of ^{45}Fe . European Physical Journal A, 2002, 14, 279-285.	1.0	235
4	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	2.9	182
5	Symmetry energy from elliptic flow in $^{197}\text{Au} + ^{197}\text{Au}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 471-476.	1.5	181
6	Results of the ASY-EOS experiment at GSI: The symmetry energy at suprasaturation density. Physical Review C, 2016, 94, .	1.1	176
7	Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	2.9	163
8	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus ^{68}Ni . Physical Review Letters, 2013, 111, 242503.	2.9	155
9	The decay of proton-rich nuclei in the mass region. Nuclear Physics A, 2007, 792, 18-86.	0.6	152
10	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	1.4	149
11	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	2.9	148
12	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.	2.9	138
13	Centrality dependence of particle production in $^{200}\text{Au} + ^{200}\text{Au}$ collisions at $\sqrt{s_{NN}} = 3.0$ GeV. Physical Review C, 2015, 91, .	1.5	137
14	Production of light nuclei and anti-nuclei in $^{200}\text{Au} + ^{200}\text{Au}$ collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	1.1	135
15	Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	121
16	Production of light nuclei and anti-nuclei in $^{200}\text{Au} + ^{200}\text{Au}$ collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	1.1	129
17	Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	121
18	Centrality dependence of particle production in $^{200}\text{Au} + ^{200}\text{Au}$ collisions at $\sqrt{s_{NN}} = 3.0$ GeV. Physical Review C, 2015, 91, .	1.5	111

#	ARTICLE	IF	CITATIONS
19	Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 101, 054907.	1.1	110
20	Discovery of Doubly Magic ^{48}Ni . Physical Review Letters, 2000, 84, 1116-1119.	2.9	105
21	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	1.5	105
22	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	1.6	97
23	Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 212-224.	1.1	93
24	Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735.	1.5	93
25	Multiplicity dependence of light-flavor hadron production in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 212-224.	1.5	92
26	Production of K^0_S and ϕ (1020) in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2016, 76, 245.	1.4	89
27	Multiplicity dependence of light-flavor hadron production in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	1.1	89
28	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	88
29	Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 054907.	1.7	87
30	and ϕ (1020) meson production at high transverse momentum in $\sqrt{s_{NN}} = 2.76$ TeV Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, 054907.	1.1	86
31	The electron-ion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR) – A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	0.7	85
32	Unveiling the strong interaction among hadrons at the LHC. Nature, 2020, 588, 232-238.	13.7	85
33	Energy dependence of multifragmentation in $\text{Kr}^{84} + \text{Au}^{197}$ collisions. Physical Review C, 1994, 49, R2271-R2275.	1.1	83
34	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s_{NN}} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329.	1.5	82
35	D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, 054907.	2.9	80
36	Measurement of an Excess in the Yield of ϕ (1020) Meson Production at Very Low Transverse Momentum in $\sqrt{s_{NN}} = 2.76$ TeV Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, 054907.	2.9	77

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37	Antimatter Plasmas in a Multipole Trap for Antihydrogen. Physical Review Letters, 2007, 98, 023402.	2.9	75
38	Anisotropic flow in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 82-95.	2.9	75
39	Spectroscopy of ^{23}Al and ^{27}P using the $(^7\text{Li}, ^8\text{He})$ reaction and the implications for ^{22}Na and ^{26}Al nucleosynthesis in explosive hydrogen burning. Physical Review C, 2001, 64, .	1.1	74
40	Production of ^4He and ^4He in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	0.6	74
41	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	2.9	72
42	Mass Measurement of ^{100}Sn . Physical Review Letters, 1996, 77, 2400-2403.	2.9	71
43	Coupling effects in the elastic scattering of ^6He on ^{12}C . Physical Review C, 2002, 66, .	1.1	71
44	Production of deuterons, tritons, ^3He , and their antinuclei in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	1.1	71
45	Proton elastic scattering on light neutron-rich nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 9-14.	1.5	70
46	Evidence for an $l=0$ ground state in ^9He . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 505, 21-26.	1.5	69
47	Quasifree (^3He) $\text{p}(\text{p}, \text{p})\text{p}$ reactions in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	2.9	69
48	Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	2.9	68
49	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	2.9	67
50	Measurement of $E2$ Transitions in the Coulomb Dissociation of ^8B . Physical Review Letters, 1998, 81, 2209-2212.	2.9	66
51	SŒRIT: A time-projection chamber for symmetry-energy studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 513-517.	0.7	66
52	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	2.9	66
53	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	2.9	64
54	Study of the $\text{p}(\text{p}, \text{p})\text{p}$ interaction with femtoscopic correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134822.	1.5	64

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55	<p>Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.</p> <p>Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.</p> <p>Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.</p>	1.1	64
56	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	1.4	62
57	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	62
58	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	1.5	62
59	A magnetic trap for antihydrogen confinement. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 746-756.	0.7	57
60	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162.	1.5	61
61	Half-life measurements of proton-rich ^{78}Kr fragments. Physical Review C, 2002, 66, .	1.1	55
62	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	55
63	Production of Λ hyperons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-88.	1.1	55
64	Study of light proton-rich nuclei by complete kinematics measurements. European Physical Journal A, 2004, 20, 389-396.	1.0	54
65	Measurement of D^0 , D^+ , D^{*+} and $D^+ s$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	54
66	MAYA: An active-target detector for binary reactions with exotic beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 341-349.	0.7	52
67	Low-lying dipole strength in ^{200}Pb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 52-58.	1.5	50
68	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	50
69	Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-88.	1.5	50
70	Energy dependence of forward-rapidity ψ_J and $\psi_{\{2S\}}$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	1.4	50
71	Measurement of charged jet production cross sections and nuclear modification in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81.	1.5	49
72	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2019, 79, 1.	1.4	49

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73	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301.	2.9	49
74	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	49
75	Resonance State in ^7Li . Physical Review Letters, 2007, 99, 062502.	2.9	48
76	TIARA: A large solid angle silicon array for direct reaction studies with radioactive beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 614, 439-448.	0.7	48
77	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	48
78	Coupling effects in the elastic scattering of the exotic nucleus ^6He on protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 18-24.	1.5	47
79	Low-lying $E1$ strength in ^{200}Pb . Physical Review C, 2003, 67, .	1.1	47
80	production in ^7Li collisions at $\sqrt{s} = 13$ TeV.	1.1	47
81	One-dimensional pion, kaon, and proton femtoscopic in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	1.1	46
82	Model-unrestricted nucleus-nucleus scattering potentials from measurement and analysis of scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 23-28.	1.5	45
83	MAYA, a gaseous active target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 145-148.	0.7	45
84	Low-lying neutron intruder states in ^{27}Ne .	1.1	45
85	Forward Central ^2He correlations in $^{\text{p+Pb}}$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2016, 753, 126-138.	1.1	45
86	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	2.9	45
87	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	1.2	44
88	Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .	1.1	43
89	Measurement of $\langle \mathcal{D} \rangle^0$, $\langle \mathcal{D} \rangle^+$, $\langle \mathcal{D} \rangle^{*+}$ and $\langle \mathcal{D} \rangle^+_{\text{ext}}$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	1.4	43
90	Elastic scattering of ^6He and its analysis within a four-body eikonal model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 378, 45-49.	1.5	42

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91	$\hat{b}+c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
92	Virtual coupling potential for elastic scattering of $^{10,11}\text{Be}$ on proton and carbon targets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 198-202.	1.5	41
93	Precision measurement of the mass difference between light nuclei and anti-nuclei. Nature Physics, 2015, 11, 811-814.	6.5	41
94	Exclusive measurements of quasi-free proton scattering reactions in inverse and complete kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 204-210.	1.5	41
95	Migration of nuclear shear gaps studied in the minimum bias production of Ne in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	2.9	40
96	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	40
97	Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 273-285.	1.1	40
98	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	1.4	40
99	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
100	Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2015, 91, .	1.1	39
101	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.	1.4	39
102	First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.	1.5	39
103	Production of \hat{c} in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.	1.1	39
104	Decay of proton-rich nuclei between ^{39}Ti and ^{49}Ni . European Physical Journal A, 2001, 10, 73-84.	1.0	38
105	Identification of the ^{10}Li ground state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 24-28.	1.5	38
106	Coherent $\hat{\Gamma}(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.	1.1	38
107	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	38
108	Measurement of $\hat{\Gamma}$ in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2017, 77, 1.	2.9	38

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109	Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
110	Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of K _s particles. Physical Review Letters, 2014, 112, 132502.	2.9	35
111	Reaction cross-section and reduced strong absorption radius measurements of neutron-rich nuclei in the vicinity of closed shells and. Nuclear Physics A, 2006, 780, 1-12.	0.6	37
112	Coherent π photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 769, 508-522.	1.5	37
113	Search for a common baryon source in high-multiplicity pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135849.	1.5	37
114	Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. Physical Review Letters, 2020, 124, 092301.	2.9	37
115	Search for the signature of a halo structure in the $p(6\text{He}, 6\text{Li})n$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 371, 14-18.	1.5	36
116	Direct mass measurements of proton-rich isotopes of Ge, As, Se, and Br. Physical Review C, 2002, 65, .	1.1	36
117	Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
118	Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	1.1	36
119	Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .	1.1	36
120	Production of $\Sigma(1385)^{\pm}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 389.	1.4	36
121	Investigation of the $\Lambda(1520)$ interaction via femtoscopy in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135419.	1.5	36
122	Emergence of the N=16 shell gap in ^{21}O . Physical Review C, 2011, 84, .	1.1	35
123	First Observation of the Unbound Nucleus ^{15}Ne . Physical Review Letters, 2014, 112, 132502.	2.9	35
124	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
125	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 112301.	1.5	35
126	Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135564.	1.5	35

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127	π^0 and η meson production in proton-proton collisions at $\sqrt{s}=8$ s = 8 TeV. European Physical Journal C, 2018, 78, 1. <math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mprescripts /><mml:mrow><mml:mi mathvariant="normal">1</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:multiprescripts></mml:math> altimg="si2.svg"><mml:multiprescripts><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi	1.4	34
128	Measurement of electrons from heavy-flavour hadron decays in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	34
129	Energy dependence of exclusive ψ photoproduction off protons in ultra-peripheral pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	34
130	Differential studies of inclusive J/ψ and $\psi(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1. Measurement of electrons from heavy-flavour hadron decays in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1.	1.6	33
131	Measurement of electrons from heavy-flavour hadron decays in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2019, 79, 1. altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">NN</mml:mi></mml:mrow></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mrow><mml:mn>5.02</mml:mn><mml:math> Physics Letters, Section B: Nuclear, Elementary Particles and High-Energy Physics, 2016, 754, 81-82.	1.5	33
132	A fast position sensitive microchannel plate detector for ray-tracing of charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 149-154.	0.7	32
133	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s}=s = 0.9, 7,$ and 8 TeV. European Physical Journal C, 2017, 77, 1.	1.4	32
134	Centrality dependence of charged jet production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2016, 76, 271.	1.4	31
135	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s}=7$ s = 7 TeV. European Physical Journal C, 2017, 77, 1.	1.4	31
136	Neutral pion and η meson production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	31
137	Production of antihydrogen at reduced magnetic field for anti-atom trapping. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 011001.	0.6	30
138	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
139	Coherent π^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
140	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, pPb, and PbPb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	1.4	30
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298	Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 162302.	2.9	8
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