

Piero Giubilato

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

9,143
citations

38660

50
h-index

46693

89
g-index

214
all docs

214
docs citations

214
times ranked

9132
citing authors

#	ARTICLE	IF	CITATIONS
1	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011, 32, 193-316.	1.6	640
2	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	497
3	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014, 74, 3076.	1.4	342
4	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	320
5	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	230
6	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 542.	1.4	191
7	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2014, 74, 3149.	1.4	179

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#	ARTICLE	IF	CITATIONS
19	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
20	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
21	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
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	Production of $K^* (892)^0$ and $\phi (1020)$ in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.	1.4	89
24	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
25	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
26	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
27	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
28	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
29	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
30	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
31	Developments of SOI monolithic pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 186-188.	0.7	76
32	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
33	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
34	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
35	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68
36	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	68

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37	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
38	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
39	Measurement of the $W+W\bar{W}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\bar{W}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
40	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
41	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
42	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
43	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	1.4	60
44	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
45	Event activity dependence of Υ (nS) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
46	Measurement of masses in the \overline{tt} system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
47	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
48	A rad-hard CMOS active pixel sensor for electron microscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 642-649.	0.7	54
49	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	1.4	54
50	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
51	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
52	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
53	Energy dependence of forward-rapidity J/ψ and $\psi(2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	1.4	50
54	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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55	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
56	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	48
57	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
58	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
59	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	1.2	44
60	Characterisation of a CMOS active pixel sensor for use in the TEAM microscope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 669-677.	0.7	43
61	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
62	Measurement of D^0 , D^+ , D^{*+} and D^+_s production in pp collisions at $\sqrt{s}=5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	1.4	43
63	$\bar{b}+c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
64	Monolithic active pixel sensor development for the upgrade of the ALICE inner tracking system. Journal of Instrumentation, 2013, 8, C12041-C12041.	0.5	40
65	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	40
66	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	1.4	40
67	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
68	Cluster imaging with a direct detection CMOS pixel sensor in Transmission Electron Microscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 363-365.	0.7	39
69	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
70	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
71	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.	1.4	39
72	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38

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73	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
74	Multiplicity dependence of π^0 , K, and p production in pp collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
75	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
76	Production of $\Sigma(1385)^\pm$ ($1385)^\pm$. European Physical Journal C, 2017, 77, 389.	1.4	36
77	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
78	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
79	π^0 and η meson production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	34
80	Energy dependence of exclusive γ/ψ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	34
81	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.	1.6	33
82	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
83	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	1.4	32
84	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s} = 0.9, 7,$ and 8 TeV. European Physical Journal C, 2017, 77, 1.	1.4	32
85	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
86	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8, 8$ TeV. European Physical Journal C, 2015, 75, 66.	1.4	31
87	Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 271.	1.4	31
88	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7, 7$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	31
89	Neutral pion and η meson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	31
90	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	30

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91	Inclusive, prompt and non-prompt J/ψ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
92	Coherent ρ^0 photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
93	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p+Pb, and Pb+Pb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	1.4	30
94	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	1.2	29
95	Centrality dependence of inclusive J/ψ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
96	Production of π^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	1.4	28
97	Study of Z production in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
98	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
99	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
100	(Anti-)deuteron production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	24
101	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
102	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
103	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and p+Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2017, 77, 245.	1.4	23
104	Production of light-flavor hadrons in pp collisions at $\sqrt{s}=7$ TeV and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	23
105	Prompt D^0 , D^+ , and D^{*+} production in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	23
106	Characterisation of a pixel sensor in SOI technology for charged particle tracking. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 258-265.	0.7	21
107	Measurements of the $\overline{t}t$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
108	CHIPIX65: Developments on a new generation pixel readout ASIC in CMOS 65 nm for HEP experiments. , 2015, , .		20

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109	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
110	Measurement of D s + production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
111	Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
112	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
113	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
114	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
115	Measurement of the ratio of the production cross sections times branching fractions of B_c^{\pm} and B_{c}^{\pm} and B_{c}^{\pm} and B_{c}^{\pm} in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 2501.	1.6	17
116	Recent progress of RD53 Collaboration towards next generation Pixel Read-Out Chip for HL-LHC. Journal of Instrumentation, 2016, 11, C12058-C12058.	0.5	17
117	Centrality dependence of $\tilde{\chi}(2S)$ suppression in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
118	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
119	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
120	Prompt and non-prompt J/ψ production and nuclear modification at mid-rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	16
121	Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	16
122	A study of monolithic CMOS pixel sensors back-thinning and their application for a pixel beam telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 675-679.	0.7	15
123	iMPACT: An Innovative Tracker and Calorimeter for Proton Computed Tomography. IEEE Transactions on Radiation and Plasma Medical Sciences, 2018, 2, 345-352.	2.7	15
124	Relative particle yield fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	15
125	LePIX: First results from a novel monolithic pixel sensor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 288-291.	0.7	14
126	A monolithic pixel sensor in fully depleted SOI technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 526-528.	0.7	13

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127	A DAQ system for pixel detectors R&D. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 611, 105-110.	0.7	13
128	Design and characterization of novel monolithic pixel sensors for the ALICE ITS upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 765, 177-182.	0.7	13
129	W and Z boson production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
130	Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
131	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	13
132	A 110 nm CMOS process for fully-depleted pixel sensors. Journal of Instrumentation, 2019, 14, C06016-C06016.	0.5	13
133	Radiation testing of GLAST LAT tracker ASICs. IEEE Transactions on Nuclear Science, 2004, 51, 1067-1073.	1.2	12
134	Monolithic pixel sensors in deep-submicron SOI technology with analog and digital pixels. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 380-384.	0.7	12
135	Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
136	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
137	Production of pions, kaons, (anti-)protons and ϕ mesons in Xe-Xe collisions at $\sqrt{s_{\mathrm{NN}}}=5.44$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	12
138	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s}=5.02, 7$ and 13 TeV. European Physical Journal C, 2021, 81, 1.	1.4	12
139	Lithium ion irradiation of standard and oxygenated silicon diodes. IEEE Transactions on Nuclear Science, 2004, 51, 2865-2871.	1.2	11
140	Radiation hardness of silicon detectors based on pre-irradiated silicon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 78-82.	0.7	11
141	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
142	Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	11
143	Tracking and vertexing with a thin CMOS pixel beam telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 292-297.	0.7	10
144	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10

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145	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
146	Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
147	Total Dose Effects on a FD-SOI Technology for Monolithic Pixel Sensors. IEEE Transactions on Nuclear Science, 2010, 57, 2135-2141.	1.2	8
148	Monolithic pixels on moderate resistivity substrate and sparsifying readout architecture. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 731, 146-153.	0.7	8
149	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
150	The effect of highly ionising particles on the CMS silicon strip tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 463-482.	0.7	7
151	Ion electron emission microscopy at SIRAD. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 65-69.	0.6	7
152	Secondary electron yield of Au and Al ₂ O ₃ surfaces from swift heavy ion impact in the 2.5-7.9 MeV/amu energy range. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 173-180.	0.6	7
153	Alignment of the CMS silicon strip tracker during stand-alone commissioning. Journal of Instrumentation, 2009, 4, T07001-T07001.	0.5	7
154	OrthoPix: A novel compressing architecture for pixel detectors. , 2012, , .		7
155	Experimental Methods and Results for the Evaluation of Triple Modular Redundancy SEU Mitigation Techniques with the Xilinx Kintex-7 FPGA. , 2017, , .		7
156	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
157	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	7
158	Characterisation of a thin fully depleted SOI pixel sensor with high momentum charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 676, 50-53.	0.7	6
159	Investigation of Supply Current Spikes in Flash Memories Using Ion-Electron Emission Microscopy. IEEE Transactions on Nuclear Science, 2013, 60, 4136-4141.	1.2	6
160	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	1.4	6
161	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	6
162	Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6

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