

Elena Bruna

List of Publications by Year in descending order

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134
papers

14,459
citations

11651

70
h-index

18130

120
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all docs

134
docs citations

134
times ranked

7031
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplicity dependence of particle production in pPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, .	2.9	135
2	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
3	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in pPb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
4	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.	4.7	36
5	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 41-44.	4.1	60
6	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 41-44.	4.1	105
7	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, .	4.1	19
8	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, .	4.7	25
9	Two-pion femtoscopy in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	39
10	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
11	Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	12
12	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	3.9	149
13	Multiplicity dependence of jet-like two-particle correlation structures in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 38-50.	4.1	33
14	D-meson nuclear modification factor and v_2 in Pb-Pb collisions at the LHC. Journal of Physics: Conference Series, 2014, 509, 012080.	0.4	3
15	Recent Results from the ALICE Collaboration. Nuclear Physics News, 2014, 24, 13-19.	0.4	2
16	Exclusive D -meson production in pPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 38-50.	7.8	94
17	Photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2015, 91, .	7.8	100

#	ARTICLE	IF	CITATIONS
37	Centrality, rapidity and transverse momentum dependence of Λ production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2013, 73, 1.	4.1	171
38	Measurement of visible cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV in van der Meer scans with the ALICE detector. Journal of Instrumentation, 2014, 9, P11003-P11003.	1.2	40
39	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.	3.9	202
40	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.	3.9	31
41	Production of Λ baryons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	7.8	270
42	Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
43	Centrality dependence of Λ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	235
44	Production of Λ baryons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	2.9	465
45	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	4.1	301
46	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
47	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.	3.9	101
48	Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	3.9	203
49	Single spin asymmetry in polarized proton elastic scattering at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	171
50	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	41
51	Anisotropic flow of charged hadrons, pions and (anti)protons measured at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	51
52	Production of Λ baryons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	156
53	Long-range angular correlations on the near and away side in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	80
54	Centrality dependence of Λ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 29-41.	4.1	561

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55	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
56	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	7.8	154
57	Measurement of Same-Event Vectors and Charge Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	7.8	68
58	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	2.9	267
59	Charged kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	7.8	155
60	Charged kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	4.7	27
61	Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	7.8	69
62	Fluctuations of charge separation perpendicular to the event plane and local parity violation in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	2.9	106
63	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
64	Experimental studies of di-jets in Au+Au collisions using angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2013, 87, .	2.9	4
65	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	7.8	151
66	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	7.8	58
67	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	2.9	106
68	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 142301.	7.8	106
69	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, .	2.9	124
70	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
71	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	2.9	9
72	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	2.9	9

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91	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 7 TeV. Physical Review Letters, 2012, 108, 252301.	7.8	91
92	Measurements of prompt D meson production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	97
93	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
94	Underlying Event measurements in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
95	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
96	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
97	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
98	Measurement of the W and Z production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2012, 85, .	4.7	19
99	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252301.	7.8	184
100	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9$ and 2.76 TeV. European Physical Journal C, 2012, 72, 1.	3.9	32
101	Production of $\Lambda(892)^0$ and $\bar{\Lambda}(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
102	Correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. M. Physics Letters, 2012, 717, 151-161.	4.1	28
103	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	133
104	Meson production at central rapidity in proton-proton collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	104
105	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	88
106	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 7 TeV. Physical Review C, 2012, 85, .	2.9	20
107	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 7 TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
108	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 7 TeV. Physical Review C, 2012, 85, .	4.1	188

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109	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 265-275.	4.1	45
110	Light vector meson production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	93
111	Multi-strange baryon production in pp collisions at $\sqrt{s} = 2.76$ TeV with ALICE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 309-318.	4.7	139
112	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	93
113	Femtoscopy of p - p collisions at $\sqrt{s} = 0.9$ TeV and 7.42 TeV at the LHC with two-pion Bose-Einstein correlations. Physical Review D, 2011, 84.	4.7	45
114	Production of nonphotonic electron in p - p collisions at $\sqrt{s} = 200$ GeV. Nature, 2011, 473, 353-356.	27.8	154
115	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	4.1	115
116	Rapidity and transverse momentum dependence of inclusive Λ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	29
117	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	3.9	140
118	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
119	Production of pions, kaons and protons in pp collisions at $\sqrt{s} = 900$ GeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	1.5	1
120	Measurements of di-jets in p+p and Au+Au in the STAR experiment. Nuclear Physics A, 2011, 855, 367-370.	4.1	433
121	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 709, 265-275.	4.1	235
122	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 709, 265-275.	7.8	507
123	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	2.9	60
124	Centralities Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	7.8	482
125	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 107, 032301.		

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127	Strange and multi-strange particle production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 232301. http://www.w3.org/1998/Math/MathML	2.9	86
128	Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for Λ and $\bar{\Lambda}$ Production in Polarized Proton-Proton Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2011, 106, 232301. http://www.w3.org/1998/Math/MathML	7.8	46
129	Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for Λ and $\bar{\Lambda}$ Production in Polarized Proton-Proton Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2011, 106, 232301. http://www.w3.org/1998/Math/MathML	2.9	37
130	Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	28
131	Experimental studies of di-jet survival and surface emission bias in Au+Au collisions via angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2011, 83, .	2.9	13
132	DI-JET MEASUREMENTS IN HEAVY-ION COLLISIONS AT STAR. International Journal of Modern Physics E, 2011, 20, 1551-1555.	1.0	1
133	Measurements of jet structure and fragmentation from full jet reconstruction in heavy ion collisions at RHIC. Nuclear Physics A, 2009, 830, 267c-270c.	1.5	20
134	Study of jet fragmentation in p+p collisions at 200 GeV in the STAR experiment. European Physical Journal C, 2009, 62, 133-137.	3.9	1