

Michal Sumbera

List of Publications by Year in descending order

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353
papers

36,830
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1994

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3579

181
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356
all docs

356
docs citations

356
times ranked

8905
citing authors

#	ARTICLE	IF	CITATIONS
1	Different Faces of Confinement. Universe, 2021, 7, 330.	2.5	9
2	Isolated photon production and pion-photon correlations in high-energy pp collisions at $\sqrt{s} = 7$ TeV and $p\text{-Pb}$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2017, 101, 014011.	4.7	11
3	Suppression at forward rapidity in $Pb\text{-}Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 212-224.	4.1	92
4	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	16.7	399
5	Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
6	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
7	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and $p\text{-}Pb$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2017, 77, 245.	3.9	23
8	W and Z boson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
9	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
10	Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 102301.	2.9	10
11	Jet imbalance measurements in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV and $p\text{-}Pb$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 119, 102301.	7.8	20
12	Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 102301.	7.8	13
13	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	2.9	44
14	Measurement of the production of high- p_T electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	4.1	24
15	Charge-Dependent Directed Flow in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
16	Global Λ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
17	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	4.1	68

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19	Measurement of D-meson production at high transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2017, 95, .	2.9	86
20	Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
21	Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2017, 95, .	4.7	22
22	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, 68-80.	4.1	50
23	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
24	Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC. Physical Review Letters, 2017, 118, 162302.	7.8	8
25	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at $\sqrt{s_{NN}} = 200, 62.4,$ and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
26	Measurement of Azimuthal Anisotropy at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 222301.	7.8	12
27	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	6
28	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.	3.9	28
29	Energy dependence of forward-rapidity $\psi(2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	3.9	50
30	Production of $\Sigma(1385)^{\pm}$. European Physical Journal C, 2017, 77, 389.	3.9	36
31	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
32	Triangular flow of negative pions emitted in PbAu collisions at $\sqrt{s_{NN}} = 17.3$ GeV. Nuclear Physics A, 2017, 957, 99-108.	1.5	2
33	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.	4.7	13
34	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	31
35	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.	3.9	40

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37	Provenance-aware optimization of workload for distributed data production. Journal of Physics: Conference Series, 2017, 898, 052038.	0.4	0
38	Phenomenological Review on Quark-Gluon Plasma: Concepts vs. Observations. Universe, 2017, 3, 7.	2.5	78
39	Simulations and study of a new scheduling approach for distributed data production. Journal of Physics: Conference Series, 2016, 762, 012023.	0.4	2
40	Network flows for data distribution and computation. , 2016, , .		1
41	Drell-Yan phenomenology in the color dipole picture revisited. Physical Review D, 2016, 93, .	4.7	20
42	Di-hadron correlations with identified leading hadrons in 200 GeV Au + Au and d + Au collisions at STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 233-240.	4.1	11
43	Coherent $\rho(770)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	2.9	38
44	Centrality dependence of particle production in Au+Au collisions from $\sqrt{s_{NN}} = 5.02$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	135
45	Energy dependence of K^0_S , p , and K^0 fluctuations in Au+Au collisions from $\sqrt{s_{NN}} = 7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
46	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV from the STAR experiment. Physical Review C, 2015, 92, .	2.9	15
47	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	93
48	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	7.8	25
49	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	7.8	85
50	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	2.9	65
51	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, .	2.9	46
52	Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Physical Review D, 2015, 91, .	4.7	35
53	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 5.02$ TeV. Physical Review Letters, 2015, 115, 092002.	7.8	70
54	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.	4.7	38

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55	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.	4.7	30
56	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.	4.7	30
57	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.	4.7	48
58	Measurement of charged jet production cross sections and nuclear modification in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81.	4.1	49
59	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
60	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.	4.7	35
61	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.	4.7	50
62	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 265-271.	4.1	68
63	Planning for distributed workflows: constraint-based coscheduling of computational jobs and data placement in distributed environments. Journal of Physics: Conference Series, 2015, 608, 012028.	0.4	0
64	Centrality dependence of inclusive J/ψ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
65	Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	4.1	32
66	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.	4.1	60
67	Azimuthal harmonics in 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.	4.1	11
68	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.	4.1	105
69	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	4.1	19
70	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	4.1	11
71	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
72	Measurement of K^0_S production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	4.1	10

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73	Two-pion femtoscopy in $\sqrt{s} = 2.76$ TeV Pb collisions Physical Review C, 2015, 91, 044907	2.9	39
74	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
75	Inclusive photon production at forward rapidities in proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	3.9	12
76	Correlation Function in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Collision Effect of event selection on jetlike correlation measurement in d+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	7.8	80
77	Measurement of $\langle \mathbf{p}_T \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	7.8	24
78	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	118
79	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
80	Measurement of pion, kaon and proton production in proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	3.9	149
81	Measurement of Prompt Meson Production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	5.02	33
82	Meson Production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Collision Measurement of $\langle \mathbf{p}_T \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	7.8	94
83	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
84	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087002.	3.6	153
85	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	61
86	Neutral pion production at midrapidity in pp and Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72
87	Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, 044907.	2.9	39
88	Beauty production in pp collisions at $\sqrt{s} = 2.76$ TeV measured via semi-electronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 97-108.	7.8	32
89	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	4.1	67
90	Freeze-out radii extracted from three-pion cumulants in pp, Pb and Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151.	4.1	45

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91	Observation of Λ production at low \sqrt{s} in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	2.9	54
92	Nuclear Modifications in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	179
93	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	2.9	21
94	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
95	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
96	Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
97	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at RHIC. Physical Review C, 2014, 89, .	2.9	73
98	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	7.8	186
99	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
100	Jet-Hadron Correlations in Au+Au collisions at RHIC. Physical Review Letters, 2014, 112, 122301.	7.8	48
101	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at RHIC. Physical Review D, 2014, 89, .	4.7	35
102	Two- and three-pion quantum statistics correlations in Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 89, .	2.9	51
103	Dielectron Mass Spectra from Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	52
104	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	68
105	J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
106	Multiplicity dependence of pion, kaon, proton and lambda production in p+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	4.1	307
107	Multiplicity dependence of pion, kaon, proton and lambda production in p+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	4.1	210
108	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	3.6	97

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109	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301 Suppression of Λ production in $\sqrt{s}=2.76$ TeV Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	7.8	62
110	Measurement of Λ production in $\sqrt{s}=2.76$ TeV Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	87
111	Measurement of Λ production in $\sqrt{s}=2.76$ TeV Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	189
112	Measurement of quarkonium production at forward rapidity in $\sqrt{s}=7$ TeV pp collisions at the LHC. European Physical Journal C, 2014, 74, 2974.	3.9	89
113	Measurement of quarkonium production at forward rapidity in $\sqrt{s}=7$ TeV pp collisions at the LHC. European Physical Journal C, 2014, 74, 2974.	4.1	171
114	Measurement of visible cross sections in proton-lead collisions at $\sqrt{s}=5.02$ TeV in van der Meer scans with the ALICE detector. Journal of Instrumentation, 2014, 9, P11003-P11003.	1.2	40
115	Study of cache performance in distributed environment for data processing. Journal of Physics: Conference Series, 2014, 523, 012016.	0.4	1
116	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
117	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
118	Measurement of Λ production in Pb-Pb Collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	7.8	270
119	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
120	Long-range angular correlations of Λ , K and p in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	4.1	235
121	Centralities dependence of charged particle production at large transverse momentum in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	2.9	465
122	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.1	301
123	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
124	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
125	Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	3.9	203
126	Charmonium and e^+e^- pair photoproduction in ultra-peripheral Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	4.1	171

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127	Single-pion asymmetry in polarized proton-proton elastic scattering at $\sqrt{s} = 200$ GeV	4.1	41
128	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7$ TeV	4.1	51
129	Momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.1	156
130	Production of charm quarks at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.1	80
131	Production of charm quarks at high transverse momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.1	561
132	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.1	46
133	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.1	154
134	Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV	4.1	68
135	Photon and \bar{p} production in p+Pb and p+C collisions at $\sqrt{s_{NN}} = 2.76$ TeV	1.5	1
136	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	2.9	267
137	Charged-pair femtosopic correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	7.8	155
138	Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	4.7	27
139	Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	7.8	69
140	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	10
141	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
142	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
143	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	7.8	151
144	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV	7.8	58

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145	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054901.	2.9	106
146	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054902.	2.9	106
147	Neutron fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054903.	2.9	106
148	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054904.	2.9	124
149	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, 054905.	2.9	115
150	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 2.76$ TeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, 054906.	2.9	9
151	Anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054907.	7.8	38
152	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301.	7.8	171
153	Performance of the ALICE VZERO system. Journal of Instrumentation, 2013, 8, P10016-P10016.	1.2	189
154	Results from STAR Beam Energy Scan Program. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 429.	0.1	3
155	Energy and system-size dependence of two- and four-particle measurements in heavy-ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054908.	2.9	40
156	Transverse single-spin asymmetry and cross section for polarized hadron production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054909.	4.7	70
157	Production of mesons at large Feynman x_F in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054910.	4.7	66
158	Di-electron spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054911.	2.9	25
159	Identified Hadron Compositions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054912.	2.9	127
160	High Transverse Momenta at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, 054913.	7.8	80
161	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054914.	2.9	21
162	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 86, 054915.	2.9	45

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165	Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	86
166	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	97
167	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
168	Measurements of D^0 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
169	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	57
170	One click dataset transfer: toward efficient coupling of distributed storage resources and CPUs. Journal of Physics: Conference Series, 2012, 368, 012022.	0.4	2
171	Femtoscopic Correlations and Narrow Resonance Formation. Progress of Theoretical Physics Supplement, 2012, 193, 335-339.	0.1	1
172	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
173	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
174	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
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176	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
177	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9$, 2.76 and 7 TeV. European Physical Journal C, 2012, 72, 1.	3.9	32
178	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
179	Elliptic flow of charged pions, protons and strange particles emitted in Pb+Au collisions at top SPS energy. Nuclear Physics A, 2012, 894, 41-73.	1.5	12
180	Correlations in pp collisions at $\sqrt{s} = 0.9$, 2.76 and 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 151-161.	4.1	23

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182	Measurement of the production of Λ and $\bar{\Lambda}$ baryons in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 717, 162-172.	4.1	133
183	Measurement of the production of Λ and $\bar{\Lambda}$ baryons in proton-proton collisions at $\sqrt{s} = 2.76$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 717, 265-306.	4.1	88
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186	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = \{2, 2.76\}$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	58
187	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 708, 265-275.	4.1	188
188	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 708, 265-275.	4.1	188
189	Light vector meson production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 710, 557-568.	4.1	45
190	Multistrange baryon production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 710, 557-568.	4.1	93
191	Multistrange baryon production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2012, 710, 557-568.	4.1	93
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194	Observation of the antimatter helium-4 nucleus. <i>Nature</i> , 2011, 473, 353-356.	27.8	154
195	Rapidity and transverse momentum dependence of inclusive Λ production in pp collisions at $\sqrt{s} = 7$ TeV with ALICE. <i>Journal of High Energy Physics</i> , 2011, 704, 467-473.	4.1	115
196	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV with ALICE. <i>Journal of High Energy Physics</i> , 2011, 704, 467-473.	4.1	29
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200	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	4.1	235
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202	Strangeness and multistrange particle production in Au+Au collisions at $\sqrt{s_{NN}} = 62.4$ GeV. Physical Review C, 2011, 83, 054907.	7.8	507
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215	System size dependence of associated yields in hadron-triggered jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 123-128.	1.5	12
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218	Transverse momentum spectra of charged particles in proton+proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68.	4.1	20
219	Observation of $\langle \cos(\phi_1 - \phi_2) \rangle$ in ultraperipheral heavy-ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 81, .	7.8	296
220	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	7.8	296
221	Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. Physical Review C, 2010, 82, .	2.9	53
222	Balance functions from $\langle \cos(\phi_1 - \phi_2) \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 82, .	2.9	45
223	Midrapidity Antiproton-to-Proton Ratio in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 81, .	2.9	17
224	Midrapidity Antiproton-to-Proton Ratio in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 81, .	7.8	67
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226	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
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230	Charged and strange hadron elliptic flow in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 82, .	2.9	55
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232	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
233	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	7.8	659
234	Production of Λ and $\bar{\Lambda}$ at high transverse momentum in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2010, 82, .	2.9	32

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236	Neutral pion production at high transverse momenta in p - p collisions and p -Au collisions at $\sqrt{s} = 2.76$ TeV	2.9	81
237	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
238	Neutral pion production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV	2.9	25
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241	Pion interferometry in Au+Au and Cu+Cu collisions at $\sqrt{s} = 62.4$ and 200 GeV. Physical Review C, 2009, 80, .	2.9	49
242	Beam-energy and system-size dependence of dynamical net charge fluctuations. Physical Review C, 2009, 79, .	2.9	44
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244	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
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246	Physics of Large- x Nuclear Suppression. Nuclear Physics A, 2009, 830, 611c-614c.	1.5	1
247	Modification of jet-like correlations in Pb+Pb collisions at $\sqrt{s} = 2.76$ TeV	4.1	71
248	Longitudinal spin transfer to inclusive neutral pion production at midrapidity in polarized proton collisions at $\sqrt{s} = 2.76$ TeV	4.1	5
249	Longitudinal spin transfer to inclusive neutral pion production at midrapidity in polarized proton collisions at $\sqrt{s} = 2.76$ TeV	4.7	37
250	Hyperons in polarized proton-proton collisions at $\sqrt{s} = 2.76$ TeV	4.7	17
251	Meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .	2.9	117
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256	The CERES/NA45 radial drift Time Projection Chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 203-231.	1.6	49
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258	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
259	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
260	Enhanced strange baryon production in Au+Au collisions compared to $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2008, 101, 252301.	2.9	97
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262	Nuclear suppression at large forward rapidities in $\sqrt{s_{NN}} = 200$ GeV Au collisions at relativistic and ultrarelativistic energies. Physical Review C, 2008, 78, 054902.	2.9	17
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275	Partonic Flow and Meson Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	181
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293	Multiplicity and pseudorapidity distributions of charged particles and photons at forward pseudorapidity in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review C, 2006, 73, .	2.9	40
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295	Identified Baryon and Meson Distributions at Large Transverse Momenta from Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152301.	7.8	261
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297	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
298	Directed flow in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review C, 2006, 73, .	2.9	55
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312	Multiplicity and Pseudorapidity Distributions of Photons in Au+Au Collisions at $\sqrt{s_{NN}}=62.4\text{GeV}$. <i>Physical Review Letters</i> , 2005, 95, 062301.	7.8	42
313	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in p+Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. <i>Physical Review Letters</i> , 2005, 95, 152301.	7.8	445
314	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$. <i>Physical Review C</i> , 2005, 71, .	2.9	248
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320	Photon and neutral pion production in Au+Au collisions at $\sqrt{s_{NN}}=130\text{GeV}$. <i>Physical Review C</i> , 2004, 70, .	2.9	19
321	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. <i>Physical Review Letters</i> , 2004, 93, 252301.	7.8	122
322	Identified Particle Distributions in p+Au+Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. <i>Physical Review Letters</i> , 2004, 92, 112301.	7.8	368
323	Interferometry of Direct Photons in Central Pb208+Pb208 Collisions at $158\text{A}\sqrt{s_{NN}}\text{GeV}$. <i>Physical Review Letters</i> , 2004, 93, 022301.	7.8	60
324	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s_{NN}}=200\text{GeV}$. <i>Physical Review Letters</i> , 2004, 92, 171801.	7.8	220

#	ARTICLE	IF	CITATIONS
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326	Centrality and pseudorapidity dependence of charged hadron production at intermediate η in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	9
327	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
328	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
329	Pseudorapidity asymmetry and centrality dependence of charged hadron spectra in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	34
330	Kaon production and kaon to pion ratio in Au + Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 143-150.	4.1	57
331	Strange antiparticle-to-particle ratios at mid-rapidity in $\sqrt{s_{NN}}=130$ GeV Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 567, 167-174.	4.1	39
332	Event-by-event fluctuations of the mean transverse momentum in 40, 80, and 158 A Pb+Au collisions. Nuclear Physics A, 2003, 727, 97-119.	1.5	112
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339	Three-Pion Interferometry Results from Central Pb+Pb Collisions at 158 A GeV/c. Physical Review Letters, 2000, 85, 2895-2899.	7.8	29
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344	Response of TAPS to monochromatic photons with energies between 45 and 790 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 346, 168-176.	1.6	198
345	Mass dependence of π^0 -production in heavy ion collisions at 1 A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 321, 20-25.	4.1	50
346	Emission of nucleons and light fragments relative to the reaction plane in Bi+Pb collisions at 1 GeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 319-325.	4.1	13
347	Entropy in multiparticle production and ultimate multiplicity scaling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 206, 159-162.	4.1	58
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349	Energy independent number of clusters and multiplicity distribution at Collider and beyond. European Physical Journal D, 1986, 36, 1267-1272.	0.4	4
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