

# Maciej Rybczynski

## List of Publications by Year in Descending Order

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

154  
papers

5,470  
citations

36  
h-index

71  
g-index

169  
ext. papers

6,118  
ext. citations

2.6  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
154	$K^*(892)^0$ meson production in inelastic p+p interactions at 40 and 80 $\sqrt{s_{NN}}$ beam momenta measured by NA61/SHINE at the CERN SPS. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
153	Conceptual design report of the MPD Cosmic Ray Detector (MCORD). <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P11035	1	1
152	Measurements of $\Xi(1530)^0$ and $\overline{\Xi}(1530)^0$ production in proton-proton interactions at $\sqrt{s_{NN}} = 17.3$ (GeV) in the NA61/SHINE experiment. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
151	Measurements of multiplicity fluctuations of identified hadrons in inelastic proton-proton interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
150	Spectra and mean multiplicities of $\pi^-$ in central $(^{40}\text{Ar}+^{45}\text{Sc})$ collisions at 13A, 19A, 30A, 40A, 75A and 150A (GeV/c) beam momenta measured by the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	3
149	Measurements of $\pi^+$ , $K^+$ , p and $\bar{p}$ spectra in $(^7\text{Be}+^9\text{Be})$ collisions at beam momenta from 19A to 150A (GeV/c) with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
148	Correspondence of multiplicity and energy distributions. <i>European Physical Journal A</i> , <b>2021</b> , 57, 1	2.5	
147	Flow in collisions of light nuclei. <i>Nuclear Physics A</i> , <b>2021</b> , 1005, 121763	1.3	0
146	Measurements of $\pi^-$ production in $(^7\text{Be} + ^9\text{Be})$ collisions at beam momenta from 19A to 150A (GeV/c) in the NA61/SHINE experiment at the CERN SPS. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
145	Fluctuations and clustering of multiplicity in collisions of relativistic ions. <i>European Physical Journal A</i> , <b>2020</b> , 56, 1	2.5	2
144	Multiplicity fluctuations in the Glauber Monte Carlo approach. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	2
143	A look at multiparticle production via modified combinants. <i>European Physical Journal A</i> , <b>2020</b> , 56, 1	2.5	2
142	$K^*(892)^0$ meson production in inelastic p+p interactions at 158 (GeV) beam momentum measured by NA61/SHINE at the CERN SPS. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
141	Inelasticity resulting from rapidity spectra analysis. <i>New Journal of Physics</i> , <b>2020</b> , 22, 113002	2.9	0
140	The cosmic ray detector for the NICA collider. <i>EPJ Web of Conferences</i> , <b>2020</b> , 239, 07004	0.3	
139	Measurements of $\Xi^+$ and $\overline{\Xi}^+$ production in proton-proton interactions at $\sqrt{s_{NN}} = 17.3$ (GeV) in the NA61/SHINE experiment. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
138	Proton-proton interactions and onset of deconfinement. <i>Physical Review C</i> , <b>2020</b> , 102,	2.7	7

137	Measurement of ( $\phi$ ) meson production in ( $p + p$ ) interactions at 40, 80 and 158 $\sqrt{s_{NN}}$ GeV/c with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	5
136	Self-similarity in Fluctuations and Clustering of Multiplicities. <i>EPJ Web of Conferences</i> , <b>2020</b> , 235, 01005	0.3	
135	Similarities in Multiparticle Production Processes in $pp$ Collisions as Imprints of Nonextensive Statistics. <i>Symmetry</i> , <b>2020</b> , 12, 1339	2.7	1
134	Search for an exotic $S=\bar{u}$ , $Q=\bar{u}$ baryon resonance in proton-proton interactions at $\sqrt{s_{NN}}=17.3$ GeV. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	1
133	Two-particle correlations in azimuthal angle and pseudorapidity in central ( $^{7}\text{Be}+^{9}\text{Be}$ ) collisions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	
132	Intriguing feature of multiplicity distributions. <i>EPJ Web of Conferences</i> , <b>2019</b> , 206, 03002	0.3	3
131	Intriguing properties of multiplicity distributions. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	9
130	MCORD - MPD Cosmic Ray Detector a new features. <i>EPJ Web of Conferences</i> , <b>2019</b> , 204, 07016	0.3	3
129	Can strangelets solve the muon puzzle?. <i>EPJ Web of Conferences</i> , <b>2019</b> , 208, 04004	0.3	1
128	Influence of target material impurities on physical results in relativistic heavy-ion collisions. <i>European Physical Journal Plus</i> , <b>2019</b> , 134, 1	3.1	5
127	Measurements of ( $\pi^{\pm}$ ), ( $K^{\pm}$ ) and proton double differential yields from the surface of the T2K replica target for incoming 31 GeV/c protons with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	10
126	Puzzle of muons in extensive air showers. <i>International Journal of Modern Physics D</i> , <b>2019</b> , 28, 1950097	2.2	1
125	The puzzle of muons: novel particles or novel properties. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1181, 012051	0.3	
124	A Look at Multiplicity Distributions via Modified Combinants. <i>Ukrainian Journal of Physics</i> , <b>2019</b> , 64, 738	0.4	2
123	Modified combinant analysis of the $e+e^{-}$ multiplicity distributions. <i>Modern Physics Letters A</i> , <b>2019</b> , 34, 1950324	1.3	5
122	GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver.1.3. <i>Computer Physics Communications</i> , <b>2019</b> , 245, 106850	4.2	15
121	Glauber Monte Carlo predictions for ultrarelativistic collisions with O16. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	6
120	Measurements of production and inelastic cross sections for $p+C$ , $p+Be$ , and $p+Al$ at 60 GeV/c and $p+C$ and $p+Be$ at 120 GeV/c. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	3

119	Measurements of hadron production in $\text{Pb}+\text{C}$ and $\text{Pb}+\text{Be}$ interactions at 60 GeV/c. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	1
118	Ultra-violet imaging of the night-time earth by EUSO-Balloon towards space-based ultra-high energy cosmic ray observations. <i>Astroparticle Physics</i> , <b>2019</b> , 111, 54-71	2.4	9
117	Signatures of $\text{Pb}$ clustering in ultrarelativistic collisions with light nuclei. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	15
116	MCORD: MPD cosmic ray detector for NICA <b>2018</b> ,		1
115	Energy conservation and the prevalence of power distributions. <i>European Physical Journal A</i> , <b>2018</b> , 54, 1	2.5	1
114	Muon bundles from the Universe. <i>EPJ Web of Conferences</i> , <b>2018</b> , 171, 20003	0.3	1
113	Measurements of total production cross sections for $\text{Pb}+\text{C}$ , $\text{Pb}+\text{Al}$ , $\text{K}+\text{C}$ , and $\text{K}+\text{Al}$ at 60 GeV/c and $\text{Pb}+\text{C}$ and $\text{Pb}+\text{Al}$ at 31 GeV/c. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	5
112	EUSO-TA $\text{Pb}$ First results from a ground-based EUSO telescope. <i>Astroparticle Physics</i> , <b>2018</b> , 102, 98-111	2.4	12
111	On muon bundles from the Universe. <i>EPJ Web of Conferences</i> , <b>2018</b> , 172, 07004	0.3	
110	First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P05023-P05023	1	9
109	Muon Bundles as a Sign of Strangelets from the Universe. <i>Astrophysical Journal</i> , <b>2017</b> , 839, 31	4.7	13
108	Two-particle correlations in azimuthal angle and pseudorapidity in inelastic $\text{p} + \text{p}$ interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	6
107	Measurement of meson resonance production in $(\pi^+ + \text{C})$ interactions at SPS energies. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	12
106	Measurements of $(\pi^+ \text{p})$ , $(\text{K}^+ \text{p})$ , $\text{p}$ and $(\bar{\text{p}})$ spectra in proton-proton interactions at 20, 31, 40, 80 and 158 (GeV/c) with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	57
105	On wounded constituents in nuclear collisions. <i>EPJ Web of Conferences</i> , <b>2017</b> , 141, 05009	0.3	
104	Muon bundles from extensive air showers. <i>EPJ Web of Conferences</i> , <b>2017</b> , 141, 08012	0.3	
103	Wounded Quarks at the LHC. <i>Acta Physica Polonica B, Proceedings Supplement</i> , <b>2017</b> , 10, 513	1.8	2
102	Wounded quarks in $\text{A}+\text{A}$ , $\text{p}+\text{A}$ , and $\text{p}+\text{p}$ collisions. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	44

101	Measurements of $(\pi^{\pm})$ differential yields from the surface of the T2K replica target for incoming 31 GeV/c protons with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	14
100	Multiplicity and transverse momentum fluctuations in inelastic proton-proton interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	27
99	Measurements of $(\pi^{\pm})$ , $(K^{\pm})$ , $(K^0_S)$ , $(\Lambda)$ and proton production in proton-carbon interactions at 31 GeV/c with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	61
98	Production of $(\Lambda)$ -hyperons in inelastic p+p interactions at 158 ( $\text{GeV}/c$ ). <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	16
97	Production of deuterium, tritium, and He3 in central Pb + Pb collisions at 20A,30A,40A,80A, and 158A GeV at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , <b>2016</b> , 94,	2.7	49
96	The JEM-EUSO observation in cloudy conditions. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 135-152	1.3	7
95	The atmospheric monitoring system of the JEM-EUSO instrument. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 45-60	1.3	7
94	JEM-EUSO: Meteor and nuclearite observations. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 253-279	1.3	19
93	The JEM-EUSO instrument. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 19-44	1.3	33
92	Science of atmospheric phenomena with JEM-EUSO. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 239-251	1.3	5
91	Imprints of energy limitation in transverse momentum distributions of jets. <i>European Physical Journal A</i> , <b>2015</b> , 51, 1	2.5	4
90	The EUSO-Balloon pathfinder. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 281-299	1.3	21
89	Performances of JEM-EUSO: angular reconstruction. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 153-177	1.3	7
88	Ultra high energy photons and neutrinos with JEM-EUSO. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 215-233	1.3	2
87	JEM-EUSO observational technique and exposure. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 117-134	1.3	12
86	Measurement of event-by-event transverse momentum and multiplicity fluctuations using strongly intensive measures $[PT, N]$ and $[PT, N]$ in nucleus-nucleus collisions at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , <b>2015</b> , 92,	2.7	10
85	Performances of JEM-EUSO: energy and X max reconstruction. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 183-214	1.3	6
84	Calibration aspects of the JEM-EUSO mission. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 91-116	1.3	5

83	Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 315-326	1.3	11
82	Critical fluctuations of the proton density in A+A collisions at 158A GeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 1	4.2	25
81	System size dependence of the log-periodic oscillations of transverse momentum spectra ?. <i>EPJ Web of Conferences</i> , <b>2015</b> , 90, 01002	0.3	18
80	Initial state characteristics of proton-nucleus collisions from Glauber Monte Carlo. <i>EPJ Web of Conferences</i> , <b>2015</b> , 99, 10006	0.3	
79	The infrared camera onboard JEM-EUSO. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 61-89	1.3	4
78	Ground-based tests of JEM-EUSO components at the Telescope Array site, EUSO-TA. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 301-314	1.3	13
77	The JEM-EUSO mission: An introduction. <i>Experimental Astronomy</i> , <b>2015</b> , 40, 3-17	1.3	29
76	Ultra-relativistic Light-Heavy Nuclear Collisions and Collectivity. <i>Acta Physica Polonica B, Proceedings Supplement</i> , <b>2015</b> , 8, 301	1.8	2
75	Tsallis statistics approach to the transverse momentum distributions in p-p collisions. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	56
74	Measurement of negatively charged pion spectra in inelastic p+p interactions at ( $p_{\text{lab}} = 20, 31, 40, 80$ and 158 GeV/c. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	73
73	GLISSANDO 2: GLauber Initial-State Simulation AND mOreOver. <i>Computer Physics Communications</i> , <b>2014</b> , 185, 1759-1772	4.2	74
72	Energy and transverse momentum fluctuations in the equilibrium quantum systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2014</b> , 730, 70-75	4.2	7
71	NA61/SHINE facility at the CERN SPS: beams and detector system. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P06005-P06005	1	126
70	The nucleon-nucleon collision profile and cross section fluctuations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2014</b> , 41, 015106	2.9	12
69	Transverse-momentum spectra of strange particles produced in Pb + Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV in the chemical nonequilibrium model. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	28
68	Clusters and collective flow in ultrarelativistic carbon-heavy-nucleus collisions. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	19
67	Measurements of production properties of K <sub>S</sub> <sup>0</sup> mesons and $\Lambda$ hyperons in proton-carbon interactions at 31 GeV/c. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	20
66	Phase-space dependence of particle-ratio fluctuations in Pb + Pb collisions from 20A to 158A GeV beam energy. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	13

65	Explanation of hadron transverse-momentum spectra in heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV within a chemical nonequilibrium statistical hadronization model. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	43
64	Pion emission from the T2K replica target: Method, results and application. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 701, 99-114	1.2	24
63	An evaluation of the exposure in nadir observation of the JEM-EUSO mission. <i>Astroparticle Physics</i> , <b>2013</b> , 44, 76-90	2.4	84
62	System-size dependence of particle-ratio fluctuations in Pb + Pb collisions at 158A GeV. <i>Physical Review C</i> , <b>2013</b> , 87,	2.7	7
61	Influence of initial fluctuations on geometry measures in relativistic U+U and Cu+Au collisions. <i>Physical Review C</i> , <b>2013</b> , 87,	2.7	26
60	Locally anisotropic momentum distributions of hadrons at freeze-out in relativistic heavy-ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2013</b> , 40, 025103	2.9	3
59	Scaling Behavior of Transverse Momenta Distributions in Hadronic and Nuclear Collisions. <i>Acta Physica Polonica B, Proceedings Supplement</i> , <b>2013</b> , 6, 507	1.8	6
58	Evidence for the onset of deconfinement and quest for the critical point by NA49 at the CERN SPS. <i>Physics of Atomic Nuclei</i> , <b>2012</b> , 75, 556-566	0.4	3
57	Single-freeze-out model for ultrarelativistic heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	16
56	On the possibility of $q$ -scaling in high-energy production processes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2012</b> , 39, 095004	2.9	24
55	Antideuteron and deuteron production in midcentral Pb+Pb collisions at 158A GeV. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	19
54	Measurement of production properties of positively charged kaons in proton-carbon interactions at 31 GeV/c. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	72
53	System-size and centrality dependence of charged kaon and pion production in nucleus-nucleus collisions at 40A GeV and 158A GeV beam energy. <i>Physical Review C</i> , <b>2012</b> , 86,	2.7	16
52	Search for the Critical Point of Strongly Interacting Matter at the CERN SPS. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2011</b> , 219-220, 102-110		1
51	Two-body nucleon-nucleon correlations in Glauber-like models. <i>Physics of Particles and Nuclei Letters</i> , <b>2011</b> , 8, 992-994	0.5	4
50	$K^*(892)0$ and $K_1^*(892)0$ production in central Pb + Pb, Si + Si, C + C, and inelastic p + p collisions at 158A GeV. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	22
49	Centrality dependence of proton and antiproton spectra in Pb+Pb collisions at 40A GeV and 158A GeV measured at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , <b>2011</b> , 83,	2.7	54
48	Energy dependence of kaon-to-proton ratio fluctuations in central Pb+Pb collisions from $\sqrt{s_{NN}}=6.3$ to 17.3 GeV. <i>Physical Review C</i> , <b>2011</b> , 83,	2.7	22



47	Measurements of cross sections and charged pion spectra in proton-carbon interactions at 31 GeV/c. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	127
46	Wounded-nucleon model with realistic nucleon-nucleon collision profile and observables in relativistic heavy-ion collisions. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	30
45	Proton- $\bar{p}$ correlations in central Pb+Pb collisions at sNN=17.3 GeV. <i>Physical Review C</i> , <b>2011</b> , 83,	2.7	6
44	Search for the QCD critical point in nuclear collisions at 158A GeV at the CERN Super Proton Synchrotron (SPS). <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	28
43	Two-body nucleon-nucleon correlations in Glauber models of relativistic heavy-ion collisions. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	28
42	Inclusive production of protons, anti-protons and neutrons in p+p collisions at 158 GeV/c beam momentum. <i>European Physical Journal C</i> , <b>2010</b> , 65, 9	4.2	67
41	Three-dimensional two-pion source image from . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2010</b> , 685, 41-46	4.2	5
40	System-size dependence of $\bar{p}$ and $\bar{n}$ production in nucleus-nucleus collisions at 40A and 158A GeV measured at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	35
39	Energy dependence of particle ratio fluctuations in central Pb+Pb collisions from sNN=6.3 to 17.3 GeV. <i>Physical Review C</i> , <b>2009</b> , 79,	2.7	59
38	Energy dependence of transverse momentum fluctuations in Pb+Pb collisions at the CERN Super Proton Synchrotron (SPS) at 20A to 158A GeV. <i>Physical Review C</i> , <b>2009</b> , 79,	2.7	48
37	GLISSANDO: GLauber Initial-State Simulation AND mOre. <i>Computer Physics Communications</i> , <b>2009</b> , 180, 69-83	4.2	138
36	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, S08004-S08004	1	1276
35	Energy dependence of $\eta$ meson production in central Pb+Pb collisions at sNN=6 to 17 GeV. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	62
34	Energy dependence of multiplicity fluctuations in heavy ion collisions at 20A to 158A GeV. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	44
33	High transverse momentum hadron spectra at sNN=17.3 GeV in Pb+Pb and p+p collisions. <i>Physical Review C</i> , <b>2008</b> , 77,	2.7	30
32	Energy dependence of $\bar{p}$ and $\bar{n}$ production in central Pb+Pb collisions at 20A,30A,40A,80A, and 158A GeV measured at the CERN Super Proton Synchrotron. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	93
31	Energy dependence of fluctuations in central Pb+Pb collisions from NA49 at the CERN SPS. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 104091	2.9	11
30	Pion and kaon production in central Pb+Pb collisions at 20A and 30A GeV: Evidence for the onset of deconfinement. <i>Physical Review C</i> , <b>2008</b> , 77,	2.7	256



29	Bose-Einstein correlations of $\Lambda$ pairs in central Pb+Pb collisions at 20A,30A,40A,80A, and 158A GeV. <i>Physical Review C</i> , <b>2008</b> , 77,	2.7	48
28	Fluctuating initial conditions in heavy ion collisions from the Glauber approach. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	94
27	Elliptic flow of $\Lambda$ hyperons in Pb+Pb collisions at 158A GeV. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	8
26	Rapidity and energy dependence of the electric charge correlations in A+A collisions from 20A to 158A GeV. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	15
25	Centrality and system size dependence of multiplicity fluctuations in nuclear collisions at 158A GeV. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	44
24	Upper limit of D0 production in central Pb-Pb collisions at 158A GeV. <i>Physical Review C</i> , <b>2006</b> , 73,	2.7	2
23	Energy and centrality dependence of $p_{\perp}$ and $p$ production and the $\Lambda/p_{\perp}$ ratio in Pb+Pb collisions between 20A GeV and 158A GeV. <i>Physical Review C</i> , <b>2006</b> , 73,	2.7	113
22	Multiplicity fluctuations in high energy hadronic and nuclear collisions. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 151, 363-366		3
21	Strangelets in cosmic rays. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 151, 341-344		10
20	NA49 Collaboration. <i>Nuclear Physics A</i> , <b>2006</b> , 774, 943-944	1.3	3
19	Inclusive production of charged pions in p+p collisions at 158 GeV/c beam momentum. <i>European Physical Journal C</i> , <b>2006</b> , 45, 343-381	4.2	85
18	Non-monotonic behavior of multiplicity fluctuations. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 5, 238-245		30
17	Multiplicity fluctuations in nuclear collisions at 158A GeV. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 5, 74-85	0.3	23
16	System size and centrality dependence of the balance function in A+A collisions at $\sqrt{s_{NN}}=17.2$ GeV. <i>Physical Review C</i> , <b>2005</b> , 71,	2.7	25
15	System-size dependence of strangeness production in nucleus-nucleus collisions at $\sqrt{s_{NN}}=17.3$ GeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 052301	7.4	52
14	Omega- and Omega+ production in central Pb + Pb collisions at 40 and 158A GeV. <i>Physical Review Letters</i> , <b>2005</b> , 94, 192301	7.4	69
13	ARE THERE STRANGELETS IN COSMIC RAYS?. <i>International Journal of Modern Physics A</i> , <b>2005</b> , 20, 6724-6726		6
12	Transverse momentum versus multiplicity fluctuations in high-energy nuclear collisions. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	23

11	Electric charge fluctuations in central Pb+Pb collisions at 20A,30A,40A,80A, and 158AGeV. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	44
10	Evidence for an exotic $S=-2$ , $Q=-2$ baryon resonance in proton-proton collisions at the CERN SPS. <i>Physical Review Letters</i> , <b>2004</b> , 92, 042003	7.4	239
9	Lambda and lambda production in central Pb-Pb collisions at 40, 80, and 158A GeV. <i>Physical Review Letters</i> , <b>2004</b> , 93, 022302	7.4	87
8	Transverse momentum fluctuations in nuclear collisions at 158AGeV. <i>Physical Review C</i> , <b>2004</b> , 70,	2.7	82
7	Energy and centrality dependence of deuteron and proton production in Pb+Pb collisions at relativistic energies. <i>Physical Review C</i> , <b>2004</b> , 69,	2.7	105
6	Recent Results from the NA49 Experiment <b>2004</b> , 53-60		
5	Rapidity spectra analysis in terms of non-extensive statistic approach. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2003</b> , 122, 325-328		28
4	Directed and elliptic flow of charged pions and protons in Pb+Pb collisions at 40A and 158AGeV. <i>Physical Review C</i> , <b>2003</b> , 68,	2.7	254
3	Self-organized criticality in atmospheric cascades. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2001</b> , 97, 81-84		18
2	Muons from strangelets. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2001</b> , 97, 85-88		7
1	Transverse momentum fluctuations due to temperature variation in high-energy nuclear collisions. <i>Physical Review C</i> , <b>2001</b> , 64,	2.7	43