

# Maciej Rybczynski

## List of Publications by Year in descending order

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Version: 2024-02-01

166  
papers

7,211  
citations

87723

38  
h-index

56606

83  
g-index

169  
all docs

169  
docs citations

169  
times ranked

5940  
citing authors

| #  | ARTICLE                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.                                                                                     | 0.5 | 2,192     |
| 2  | Pion and kaon production in central $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. Physical Review C, 2008, 78, 044902.                                            | 1.1 | 302       |
| 3  | Directed and elliptic flow of charged pions and protons in Pb+Pb collisions at 4.0 and 15.8 AGeV. Physical Review C, 2003, 68, .                                            | 1.1 | 282       |
| 4  | Evidence for an Exotic $S=2, Q=2$ Baryon Resonance in Proton-Proton Collisions at the CERN SPS. Physical Review Letters, 2004, 92, 042003.                                  | 2.9 | 252       |
| 5  | NA61/SHINE facility at the CERN SPS: beams and detector system. Journal of Instrumentation, 2014, 9, P06005-P06005.                                                         | 0.5 | 170       |
| 6  | GLISSANDO: GLauber Initial-State Simulation AND mOre. Computer Physics Communications, 2009, 180, 69-83.                                                                    | 3.0 | 153       |
| 7  | Measurements of cross sections and charged pion spectra in proton-carbon interactions at 31 GeV. Physical Review C, 2011, 84, .                                             | 1.1 | 142       |
| 8  | Energy and centrality dependence of $\phi$ and $p$ production and the $\phi/p$ ratio in Pb+Pb collisions between 20 AGeV and 158 AGeV. Physical Review C, 2006, 73, .       | 1.1 | 131       |
| 9  | Energy and centrality dependence of deuteron and proton production in Pb+Pb collisions at relativistic energies. Physical Review C, 2004, 69, .                             | 1.1 | 119       |
| 10 | Energy dependence of $\phi$ and $\bar{\phi}$ production in central $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. Physical Review C, 2008, 78, 044902.             | 1.1 | 104       |
| 11 | An evaluation of the exposure in nadir observation of the JEM-EUSO mission. Astroparticle Physics, 2013, 44, 76-90.                                                         | 1.9 | 102       |
| 12 | Inclusive production of charged pions in p+p collisions at 158 GeV/c beam momentum. European Physical Journal C, 2006, 45, 343-381.                                         | 1.4 | 101       |
| 13 | Fluctuating initial conditions in heavy ion collisions from the Glauber approach. Physical Review C, 2007, 76, .                                                            | 1.1 | 98        |
| 14 | $\phi$ and $\bar{\phi}$ Production in Central Pb-Pb Collisions at 40, 80, and 158 AGeV. Physical Review Letters, 2004, 93, 022302.                                          | 2.9 | 93        |
| 15 | Transverse momentum fluctuations in nuclear collisions at 158 AGeV. Physical Review C, 2004, 70, .                                                                          | 1.1 | 88        |
| 16 | GLISSANDO 2: GLauber Initial-State Simulation AND mOre, ver. 2. Computer Physics Communications, 2014, 185, 1759-1772.                                                      | 3.0 | 88        |
| 17 | Measurement of production properties of positively charged kaons in proton-carbon interactions at 31 GeV. Physical Review C, 2012, 85, .                                    | 1.1 | 86        |
| 18 | Measurement of negatively charged pion spectra in inelastic p+p interactions at $\sqrt{s_{lab}} = 20, 31, 40, 80$ and 158 AGeV/c. European Physical Journal C, 2014, 74, 1. | 1.4 | 83        |

| #  | ARTICLE                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Measurements of $\pi^{\pm}$ , $K^{\pm}$ , $p$ and $\bar{p}$ . European Physical Journal C, 2017, 77, 1.                                                                                                                     | 1.4 | 83        |
| 20 | $\Lambda^0$ Production in Central Pb+Pb collisions at 40 and 158 A GeV. Physical Review Letters, 2005, 94, 192301.                                                                                                          | 2.9 | 80        |
| 21 | Measurements of $\pi^{\pm}$ , $K^{\pm}$ , $K^0_S$ , $\Lambda$ and proton production in proton-carbon interactions at 31 A GeV/c with the NA61/SHINE spectrometer at the CERN SPS. European Physical Journal C, 2016, 76, 1. | 1.4 | 78        |
| 22 | Inclusive production of protons, anti-protons and neutrons in $\text{Pb}+\text{Pb}$ collisions at 158 A GeV/c beam momentum. European Physical Journal C, 2010, 65, 9.                                                      | 1.4 | 76        |
| 23 | Centrality dependence of proton and antiproton spectra in Pb collisions at 40 and 158 A GeV. Physical Review C, 2009, 79, 054902.                                                                                           | 1.1 | 74        |
| 24 | Energy dependence of particle ratio fluctuations in central Pb+Pb collisions from NN=6.3 to 17.3 GeV. Physical Review C, 2009, 79, 054902.                                                                                  | 1.1 | 66        |
| 25 | Production of deuterium, tritium, and $^3\text{He}$ in central Pb + Pb collisions at 200 GeV. Physical Review C, 2009, 79, 054902.                                                                                          | 1.1 | 64        |
| 26 | $^3\text{He}$ production in central Pb + Pb collisions at 200 GeV. Physical Review C, 2009, 79, 054902.                                                                                                                     | 1.1 | 64        |
| 27 | $^3\text{He}$ production in central Pb + Pb collisions at 200 GeV. Physical Review C, 2009, 79, 054902.                                                                                                                     | 1.4 | 63        |
| 28 | System-Size Dependence of Strangeness Production in Nucleus-Nucleus Collisions at NN=17.3 A GeV. Physical Review Letters, 2005, 94, 052301.                                                                                 | 2.9 | 56        |
| 29 | Wounded quarks in nucleus-nucleus collisions. Physical Review C, 2016, 94, 054902.                                                                                                                                          | 1.1 | 54        |
| 30 | Electric charge fluctuations in central Pb+Pb collisions at 20A, 30A, 40A, 80A, and 158A GeV. Physical Review C, 2004, 70, .                                                                                                | 1.1 | 49        |
| 31 | Energy dependence of multiplicity fluctuations in heavy ion collisions at 20A to 158A GeV. Physical Review C, 2008, 78, .                                                                                                   | 1.1 | 49        |
| 32 | Energy dependence of transverse momentum fluctuations in $\text{Pb}+\text{Pb}$ collisions at the CERN Super Proton Synchrotron (SPS) at 200 GeV. Physical Review C, 2008, 78, .                                             | 1.1 | 49        |
| 33 | Bose-Einstein correlations of $\pi^0$ mesons in central Pb+Pb collisions at 200 GeV. Physical Review C, 2008, 78, .                                                                                                         | 1.1 | 48        |
| 34 | Explanation of hadron transverse-momentum spectra in heavy-ion collisions at 158 A GeV within a chemical nonequilibrium statistical hadronization model. Physical Review C, 2014, 90, .                                     | 1.1 | 47        |
| 35 | Transverse momentum fluctuations due to temperature variation in high-energy nuclear collisions. Physical Review C, 2001, 64, .                                                                                             | 1.1 | 47        |
| 36 | Centrality and system size dependence of multiplicity fluctuations in nuclear collisions at 158 A GeV. Physical Review C, 2007, 75, .                                                                                       | 1.1 | 47        |

| #  | ARTICLE                                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | The JEM-EUSO instrument. <i>Experimental Astronomy</i> , 2015, 40, 19-44.                                                                                                                                                               | 1.6 | 45        |
| 38 | Critical fluctuations of the proton density in A+A collisions at 158A GeV. <i>European Physical Journal C</i> , 2015, 75, 1.                                                                                                            | 1.4 | 39        |
| 39 | The JEM-EUSO mission: An introduction. <i>Experimental Astronomy</i> , 2015, 40, 3-17.                                                                                                                                                  | 1.6 | 38        |
| 40 | System-size dependence of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production in nucleus-nucleus collisions at $\sqrt{s_{NN}} = 40$ GeV. <i>Physical Review C</i> , 2010, 81, .                              | 1.1 | 37        |
| 41 | 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> , 2013, 701, 99-114. | 0.7 | 36        |
| 42 | Search for the QCD critical point in nuclear collisions at $\sqrt{s_{NN}} = 158$ GeV at the CERN Super Proton Synchrotron (SPS). <i>Physical Review C</i> , 2010, 81, .                                                                 | 1.1 | 35        |
| 43 | Rapidity spectra analysis in terms of non-extensive statistic approach. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2003, 122, 325-328.                                                                                | 0.5 | 34        |
| 44 | 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> , 2005, 71, .                                                                                   | 1.1 | 33        |
| 45 | Hadron spectra at $\sqrt{s_{NN}} = 2.76$ TeV in a Glauber model. <i>Physical Review C</i> , 2014, 90, .                                                                                                                                 | 1.1 | 32        |
| 46 | Multiplicity and transverse momentum fluctuations in inelastic proton-proton interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , 2016, 76, 1.                                                       | 1.4 | 32        |
| 47 | Non-monotonic behavior of multiplicity fluctuations. <i>Journal of Physics: Conference Series</i> , 2005, 5, 238-245.                                                                                                                   | 0.3 | 31        |
| 48 | Wounded-nucleon model with realistic nucleon-nucleon collision profile and observables in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2011, 84, .                                                                     | 1.1 | 31        |
| 49 | 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> , 2014, 90, .                                                | 1.1 | 31        |
| 50 | The EUSO-Balloon pathfinder. <i>Experimental Astronomy</i> , 2015, 40, 281-299.                                                                                                                                                         | 1.6 | 31        |
| 51 | Two-body nucleon-nucleon correlations in Glauber models of relativistic heavy-ion collisions. <i>Physical Review C</i> , 2010, 81, .                                                                                                    | 1.1 | 30        |
| 52 | $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production in nucleus-nucleus collisions at $\sqrt{s_{NN}} = 40$ GeV. <i>Physical Review C</i> , 2010, 81, .                                                        | 1.1 | 30        |
| 53 | Hyperons in proton-carbon interactions at 3.1 GeV. <i>Physical Review C</i> , 2010, 81, .                                                                                                                                               | 1.1 | 28        |
| 54 | Influence of initial fluctuations on geometry measures in relativistic U+U and Cu+Au collisions. <i>Physical Review C</i> , 2013, 87, .                                                                                                 | 1.1 | 27        |

| #  | ARTICLE                                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | $\langle \mathbf{p}_T \rangle$ clusters and collective flow in ultrarelativistic heavy-nucleus collisions. Physical Review C, 2014, 90, .                                                                                                           | 1.1 | 27        |
| 56 | JEM-EUSO: Meteor and nuclearite observations. Experimental Astronomy, 2015, 40, 253-279.                                                                                                                                                            | 1.6 | 27        |
| 57 | EUSO-TA " First results from a ground-based EUSO telescope. Astroparticle Physics, 2018, 102, 98-111.                                                                                                                                               | 1.9 | 27        |
| 58 | On the possibility of q-scaling in high-energy production processes. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 095004.                                                                                                          | 1.4 | 26        |
| 59 | Measurements of $\pi^{\pm}$ differential yields from the surface of the T2K replica target for incoming 31 AGeV/c protons with the NA61/SHINE spectrometer at the CERN SPS. European Physical Journal C, 2016, 76, 1.                               | 1.4 | 24        |
| 60 | Transverse momentum versus multiplicity fluctuations in high-energy nuclear collisions. Physical Review C, 2004, 70, .                                                                                                                              | 1.1 | 23        |
| 61 | Multiplicity fluctuations in nuclear collisions at 158 AGeV. Journal of Physics: Conference Series, 2005, 5, 74-85.                                                                                                                                 | 0.3 | 23        |
| 62 | Energy dependence of kaon-to-proton ratio fluctuations in central Pb-Pb collisions from $\sqrt{s_{NN}}$ to $\sqrt{s_{NN}}$ . Physical Review C, 2012, 86, .                                                                                         | 1.1 | 23        |
| 63 | Signatures of $\pi^{\pm}$ clustering in ultrarelativistic collisions with light nuclei. Physical Review C, 2018, 97, .                                                                                                                              | 1.1 | 23        |
| 64 | Measurements of $\pi^{\pm}$ , $K^{\pm}$ and proton double differential yields from the surface of the T2K replica target for incoming 31 AGeV/c protons with the NA61/SHINE spectrometer at the CERN SPS. European Physical Journal C, 2019, 79, 1. | 1.4 | 23        |
| 65 | System-size and centrality dependence of charged kaon and pion production in nucleus-nucleus collisions at 40 AGeV beam energy. Physical Review C, 2012, 86, .                                                                                      | 1.1 | 22        |
| 66 | Rapidity and energy dependence of the electric charge correlations in Au-Au collisions from $\sqrt{s_{NN}}$ to $\sqrt{s_{NN}}$ . Physical Review C, 2012, 86, .                                                                                     | 1.1 | 20        |
| 67 | Antiproton and deuteron production in central Pb+Pb collisions at 158 AGeV. Physical Review C, 2012, 85, .                                                                                                                                          | 1.1 | 20        |
| 68 | Production of $\Lambda$ -hyperons in inelastic p+p interactions at 158 GeV / c. European Physical Journal C, 2016, 76, 1.                                                                                                                           | 1.4 | 20        |
| 69 | GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. Computer Physics Communications, 2019, 245, 106850.                                                                                                                                 | 3.0 | 20        |
| 70 | Self-organized criticality in atmospheric cascades. Nuclear Physics, Section B, Proceedings Supplements, 2001, 97, 81-84.                                                                                                                           | 0.5 | 19        |
| 71 | System size dependence of the log-periodic oscillations of transverse momentum spectra. EPJ Web of Conferences, 2015, 90, 01002.                                                                                                                    | 0.1 | 19        |
| 72 | Ultra-violet imaging of the night-time earth by EUSO-Balloon towards space-based ultra-high energy cosmic ray observations. Astroparticle Physics, 2019, 111, 54-71.                                                                                | 1.9 | 18        |

| #  | ARTICLE                                                                                                                                                                                 | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Phase-space dependence of particle-ratio fluctuations in Pb + Pb collisions from 20 to 158 AGeV beam energy. <i>Physical Review C</i> , 2014, 89, .                                     | 1.1 | 17        |
| 74 | Muon Bundles as a Sign of Strangelets from the Universe. <i>Astrophysical Journal</i> , 2017, 839, 31.                                                                                  | 1.6 | 17        |
| 75 | Single-freeze-out model for ultrarelativistic heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2012, 85, .                                                  | 1.1 | 16        |
| 76 | Ground-based tests of JEM-EUSO components at the Telescope Array site, "EUSO-TA". <i>Experimental Astronomy</i> , 2015, 40, 301-314.                                                    | 1.6 | 16        |
| 77 | JEM-EUSO observational technique and exposure. <i>Experimental Astronomy</i> , 2015, 40, 117-134.                                                                                       | 1.6 | 16        |
| 78 | Measurement of meson resonance production in $\pi^- + C$ interactions at SPS energies. <i>European Physical Journal C</i> , 2017, 77, 1.                                                | 1.4 | 15        |
| 79 | First observations of speed of light tracks by a fluorescence detector looking down on the atmosphere. <i>Journal of Instrumentation</i> , 2018, 13, P05023-P05023.                     | 0.5 | 15        |
| 80 | Intriguing properties of multiplicity distributions. <i>Physical Review D</i> , 2019, 99, .                                                                                             | 1.6 | 15        |
| 81 | Glauber Monte Carlo predictions for ultrarelativistic collisions with $\langle O \rangle$ . <i>Physical Review C</i> , 2019, 100, .                                                     | 1.1 | 15        |
| 82 | The nucleon-nucleon collision profile and cross section fluctuations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014, 41, 015106.                                     | 1.4 | 14        |
| 83 | Measurement of event-by-event transverse momentum and multiplicity fluctuations using strongly intensive measures $\langle \hat{p} \rangle$ . <i>Physical Review C</i> , 2015, 92, .    | 1.1 | 12        |
| 84 | Two-particle correlations in azimuthal angle and pseudorapidity in inelastic p + p interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , 2017, 77, 1. | 1.4 | 12        |
| 85 | 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> , 2008, 35, 104091.                  | 1.4 | 11        |
| 86 | Space experiment TUS on board the Lomonosov satellite as pathfinder of JEM-EUSO. <i>Experimental Astronomy</i> , 2015, 40, 315-326.                                                     | 1.6 | 11        |
| 87 | Strangelets in cosmic rays. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 151, 341-344.                                                                            | 0.5 | 10        |
| 88 | The JEM-EUSO observation in cloudy conditions. <i>Experimental Astronomy</i> , 2015, 40, 135-152.                                                                                       | 1.6 | 10        |
| 89 | The atmospheric monitoring system of the JEM-EUSO instrument. <i>Experimental Astronomy</i> , 2015, 40, 45-60.                                                                          | 1.6 | 10        |
| 90 | 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> , 2019, 100, .                      | 1.6 | 10        |

| #   | ARTICLE                                                                                                                                                                                                                                                          | IF  | CITATIONS |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | Proton-proton interactions and onset of deconfinement. <i>Physical Review C</i> , 2020, 102, .                                                                                                                                                                   | 1.1 | 10        |
| 92  | $\phi(892)^0$ meson production in inelastic p+p interactions at 158A GeV beam momentum measured by NA61/SHINE at the CERN SPS. <i>European Physical Journal C</i> , 2020, 80, 1.                                                                                 | 1.4 | 10        |
| 93  | Muons from strangelets. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2001, 97, 85-88.                                                                                                                                                            | 0.5 | 9         |
| 94  | Measurements of total production cross sections for $\Lambda$ and $\Sigma$ hyperons in p+p collisions at 158A GeV. <i>Physical Review C</i> , 2007, 75, .                                                                                                        | 1.6 | 9         |
| 95  | Elliptic flow of $\Lambda$ hyperons in Pb+Pb collisions at 158A GeV. <i>Physical Review C</i> , 2007, 75, .                                                                                                                                                      | 1.1 | 8         |
| 96  | System-size dependence of particle-ratio fluctuations in Pb + Pb collisions at 158A GeV. <i>Physical Review C</i> , 2013, 87, .                                                                                                                                  | 1.1 | 8         |
| 97  | Energy and transverse momentum fluctuations in the equilibrium quantum systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 70-75.                                                                      | 1.5 | 8         |
| 98  | Science of atmospheric phenomena with JEM-EUSO. <i>Experimental Astronomy</i> , 2015, 40, 239-251.                                                                                                                                                               | 1.6 | 8         |
| 99  | Performances of JEM-EUSO: angular reconstruction. <i>Experimental Astronomy</i> , 2015, 40, 153-177.                                                                                                                                                             | 1.6 | 8         |
| 100 | Measurements of $\Xi^0$ and $\bar{\Xi}^0$ production in proton-proton interactions at $\sqrt{s_{NN}} = 17.3$ A GeV in the NA61/SHINE experiment. <i>European Physical Journal C</i> , 2020, 80, 1.                                                               | 1.4 | 8         |
| 101 | Measurement of $\phi$ meson production in p + p interactions at 40, 80 and 158 A GeV with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , 2020, 80, 1.                                                                         | 1.4 | 8         |
| 102 | Spectra and mean multiplicities of $\pi^0$ in central $^{40}\text{Ar}+^{45}\text{Sc}$ collisions at 13A, 19A, 30A, 40A, 75A and 150A GeV beam momenta measured by the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 8         |
| 103 | Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2007, 75, .                                                                                                                                                                           | 1.5 | 7         |
| 104 | Performances of JEM-EUSO: energy and X max reconstruction. <i>Experimental Astronomy</i> , 2015, 40, 183-214.                                                                                                                                                    | 1.6 | 7         |
| 105 | The infrared camera onboard JEM-EUSO. <i>Experimental Astronomy</i> , 2015, 40, 61-89.                                                                                                                                                                           | 1.6 | 7         |
| 106 | Influence of target material impurities on physical results in relativistic heavy-ion collisions. <i>European Physical Journal Plus</i> , 2019, 134, 1.                                                                                                          | 1.2 | 7         |
| 107 | Modified combinatorial analysis of the $e^+e^-$ multiplicity distributions. <i>Modern Physics Letters A</i> , 2019, 34, 1950324.                                                                                                                                 | 0.5 | 7         |
| 108 | Measurements of $\pi^0$ , $K^0_S$ , p and $\Lambda$ spectra in $^{7}\text{Be}+^{9}\text{Be}$ collisions at beam momenta from 19A to 150A GeV with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , 2021, 81, 1.                 | 1.4 | 7         |

| #   | ARTICLE                                                                                                                                                                                                             | IF  | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | ARE THERE STRANGELETS IN COSMIC RAYS?. International Journal of Modern Physics A, 2005, 20, 6724-6726.                                                                                                              | 0.5 | 6         |
| 110 | Proton- $\hat{p}$ correlations in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2006, 96, 112301.                                                                                | 1.1 | 6         |
| 111 | Scaling Behavior of Transverse Momenta Distributions in Hadronic and Nuclear Collisions. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 507.                                                             | 0.0 | 6         |
| 112 | Upper limit of D0 production in central Pb-Pb collisions at 158 A GeV. Physical Review C, 2006, 73, .                                                                                                               | 1.1 | 5         |
| 113 | Evidence for the onset of deconfinement and quest for the critical point by NA49 at the CERN SPS. Physics of Atomic Nuclei, 2012, 75, 556-566.                                                                      | 0.1 | 5         |
| 114 | Calibration aspects of the JEM-EUSO mission. Experimental Astronomy, 2015, 40, 91-116.                                                                                                                              | 1.6 | 5         |
| 115 | Imprints of energy limitation in transverse momentum distributions of jets. European Physical Journal A, 2015, 51, 1.                                                                                               | 1.0 | 5         |
| 116 | NA61/SHINE Collaboration. Nuclear Physics A, 2017, 967, 994-995.                                                                                                                                                    | 0.6 | 5         |
| 117 | Measurements of hadron production in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions. Nuclear Physics A, 2006, 774, 943-944.                                                                                            | 1.6 | 5         |
| 118 | Measurements of $\pi^{\pm}$ production in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at beam momenta from 19A to 150 A GeV in the NA61/SHINE experiment at the CERN SPS. European Physical Journal C, 2020, 80, 1. | 1.4 | 5         |
| 119 | Fluctuations and clustering of multiplicity in collisions of relativistic ions. European Physical Journal A, 2020, 56, 1.                                                                                           | 1.0 | 5         |
| 120 | A look at multiparticle production via modified combinatorics. European Physical Journal A, 2020, 56, 1.                                                                                                            | 1.0 | 5         |
| 121 | NA49 Collaboration. Nuclear Physics A, 2006, 774, 943-944.                                                                                                                                                          | 0.6 | 4         |
| 122 | The NA49 Collaboration. Nuclear Physics A, 2009, 830, 959c.                                                                                                                                                         | 0.6 | 4         |
| 123 | Two-body nucleon-nucleon correlations in Glauber-like models. Physics of Particles and Nuclei Letters, 2011, 8, 992-994.                                                                                            | 0.1 | 4         |
| 124 | Locally anisotropic momentum distributions of hadrons at freeze-out in relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 025103.                                     | 1.4 | 4         |
| 125 | MCORD - MPD Cosmic Ray Detector a new features. EPJ Web of Conferences, 2019, 204, 07016.                                                                                                                           | 0.1 | 4         |
| 126 | Multiplicity fluctuations in the Glauber Monte Carlo approach. Physical Review C, 2020, 101, .                                                                                                                      | 1.1 | 4         |



| #   | ARTICLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | IF  | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | A Look at Multiplicity Distributions via Modified Combinants. Ukrainian Journal of Physics, 2019, 64, 738.                                                                                                                                                                                                                                                                                                                                                                                             | 0.1 | 4         |
| 128 | Inelasticity resulting from rapidity spectra analysis. New Journal of Physics, 2020, 22, 113002.                                                                                                                                                                                                                                                                                                                                                                                                       | 1.2 | 4         |
| 129 | Multiplicity fluctuations in high energy hadronic and nuclear collisions. Nuclear Physics, Section B, Proceedings Supplements, 2006, 151, 363-366.                                                                                                                                                                                                                                                                                                                                                     | 0.5 | 3         |
| 130 | Ultra high energy photons and neutrinos with JEM-EUSO. Experimental Astronomy, 2015, 40, 215-233.                                                                                                                                                                                                                                                                                                                                                                                                      | 1.6 | 3         |
| 131 | Intriguing feature of multiplicity distributions. EPJ Web of Conferences, 2019, 206, 03002.                                                                                                                                                                                                                                                                                                                                                                                                            | 0.1 | 3         |
| 132 | Measurements of multiplicity fluctuations of identified hadrons in inelastic proton-proton interactions at the CERN Super Proton Synchrotron. European Physical Journal C, 2021, 81, 1.                                                                                                                                                                                                                                                                                                                | 1.4 | 3         |
| 133 | Measurement of the production cross section of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:mrow} > < \text{mml:mn} > 31 < / \text{mml:mn} > < \text{mml:mtext} > \hat{\epsilon} < / \text{mml:mtext} > < \text{mml:mtext} > \hat{\epsilon} < / \text{mml:mtext} > < \text{mml:mi} > \text{GeV} < / \text{mml:mi} > < \text{mml:mtext} > \text{protons on carbon via beam attenuation in a 90-cm-long target. Physical Review D, 2021, 103, .$ | 1.6 | 3         |
| 134 | Flow in collisions of light nuclei. Nuclear Physics A, 2021, 1005, 121763.                                                                                                                                                                                                                                                                                                                                                                                                                             | 0.6 | 3         |
| 135 | $K^*(892)^0$ meson production in inelastic p+p interactions at 40 and 80 $\text{GeV}/c$ beam momenta measured by NA61/SHINE at the CERN SPS. European Physical Journal C, 2022, 82, 1.                                                                                                                                                                                                                                                                                                                 | 1.4 | 3         |
| 136 | Search for the Critical Point of Strongly Interacting Matter at the CERN SPS. Nuclear Physics, Section B, Proceedings Supplements, 2011, 219-220, 102-110.                                                                                                                                                                                                                                                                                                                                             | 0.5 | 2         |
| 137 | Similarities in Multiparticle Production Processes in pp Collisions as Imprints of Nonextensive Statistics. Symmetry, 2020, 12, 1339.                                                                                                                                                                                                                                                                                                                                                                  | 1.1 | 2         |
| 138 | Relaxation and correlation times of nonequilibrium multiparticle systems. Physical Review D, 2021, 103, .                                                                                                                                                                                                                                                                                                                                                                                              | 1.6 | 2         |
| 139 | Wounded Quarks at the LHC. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 513.                                                                                                                                                                                                                                                                                                                                                                                                             | 0.0 | 2         |
| 140 | Ultra-relativistic Light-Heavy Nuclear Collisions and Collectivity. Acta Physica Polonica B, Proceedings Supplement, 2015, 8, 301.                                                                                                                                                                                                                                                                                                                                                                     | 0.0 | 2         |
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