

# Biswarup Paul

## List of Publications by Year in descending order

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Version: 2024-02-01

225  
papers

8,810  
citations

38742

50  
h-index

64796

79  
g-index

227  
all docs

227  
docs citations

227  
times ranked

6447  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.   | 16.7 | 399       |
| 2  | Charmonium and $e + e^-$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2013, 73, 2617.   | 3.9  | 203       |
| 3  | Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.   | 7.8  | 182       |
| 4  | Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.   | 7.8  | 180       |
| 5  | Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.  | 7.8  | 163       |
| 6  | Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.   | 3.9  | 149       |
| 7  | Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.   | 7.8  | 148       |
| 8  | Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.  | 7.8  | 138       |
| 9  | Production of $\Lambda$ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.  | 7.9  | 135       |
| 10 | Production of $\Lambda$ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.  | 7.9  | 135       |
| 11 | Production of light nuclei and anti-nuclei in Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, 054907.   | 2.9  | 129       |
| 12 | Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 1.  | 3.9  | 125       |
| 13 | 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       |
| 14 | Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 389-401.  | 4.1  | 111       |
| 15 | Production of $\Lambda$ and $\bar{\Lambda}$ in p-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       |
| 16 | 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       |
| 17 | Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7  | 97        |
| 18 | Multiplicity dependence of charged pion, kaon, and (anti)proton production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 720-735. | 4.1  | 93        |

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|----|--|-----|-----------|
| 19 | $\mathcal{N}/N$ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 212-224.                                  |     | 92        |
| 20 | Measurement of quarkonium production at forward rapidity in $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.   | 3.9 | 89        |
| 21 | Production of $K^0_S$ and $\phi$ (1020) in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 245.   | 3.9 | 89        |
| 22 | Multiplicity dependence of light-flavor hadron production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, .  | 2.9 | 89        |
| 23 | Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7 | 88        |
| 24 | Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .  | 2.9 | 87        |
| 25 | and $K^0_S$ production at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, .   | 2.9 | 86        |
| 26 | Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329.        | 4.1 | 82        |
| 27 | Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, .  | 7.8 | 80        |
| 28 | Measurement of an Excess in the Yield of $K^0_S$ and $\phi$ (1020) Meson Production at Very Low $p_T$ in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, .  | 7.8 | 77        |
| 29 | Production of $^4\text{He}$ and $^4\text{He}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, .  | 7.8 | 71        |
| 30 | Production of $^4\text{He}$ and $^4\text{He}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.   | 1.5 | 74        |
| 31 | Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.   | 3.9 | 72        |
| 32 | Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.   | 7.8 | 72        |
| 33 | Production of $^3\text{He}$ and $^3\text{He}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, .  | 2.9 | 71        |
| 34 | 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        |
| 35 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, .   | 4.1 | 68        |
| 36 | Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s_{NN}} = 1.36$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179. | 4.1 | 67        |

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|----|---|------|-----------|
| 37 | First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.   | 7.8  | 66        |
| 38 | Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 123, 142301.  | 7.8  | 64        |
| 39 | Study of the $p$ - $\Lambda$ interaction with femtoscopy correlations in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 123, 142301.  | 4.1  | 64        |
| 40 | Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to $8 \text{ \AA TeV}$ . European Physical Journal C, 2017, 77, 1.  | 2.9  | 64        |
| 41 | Measurement of D-meson production at mid-rapidity in $pp$ collisions at $\sqrt{s} = 7 \text{ \AA TeV}$ . European Physical Journal C, 2017, 77, 1.  | 3.9  | 62        |
| 42 | Centrality and pseudorapidity dependence of the charged particle multiplicity density in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.      | 4.1  | 62        |
| 43 | Event-by-event mean $p_T$ fluctuations in $pp$ and $Pb-Pb$ collisions at the LHC. European Physical Journal C, 2014, 74, 1.   | 3.9  | 61        |
| 44 | Production of inclusive $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 105-117.                                 | 5.02 | 60        |
| 45 | Transverse momentum dependence of inclusive primary charged-particle production in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.   | 3.9  | 58        |
| 46 | Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 151-162. | 4.7  | 55        |
| 47 | Energy dependence and fluctuations of anisotropic flow in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ and $2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 2.9  | 55        |
| 48 | Global polarization of $\Lambda$ and $\bar{\Lambda}$ in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.                                    | 2.9  | 55        |
| 49 | Measurement of $D_0$ , $D^+$ , $D^{*+}$ and $D^s$ production in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7  | 54        |
| 50 | 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        |
| 51 | Linear and non-linear flow mode in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 68-80.   | 4.1  | 50        |
| 52 | Energy dependence of forward-rapidity $\psi_J$ and $\psi_{\{2S\}}$ production in $pp$ collisions at the LHC. European Physical Journal C, 2017, 77, 392.  | 3.9  | 50        |
| 53 | Measurement of charged jet production cross sections and nuclear modification in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81.           | 4.1  | 49        |
| 54 |   |      |           |

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|----|--|------|-----------|
| 55 | Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2019, 79, 1.  | 3.9  | 49        |
| 56 | Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. Physical Review Letters, 2020, 125, 022301.   | 7.8  | 49        |
| 57 | Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.   | 3.9  | 49        |
| 58 | Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $s_{NN} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 4.7  | 48        |
| 59 | Production of mesons in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.  | 2.9  | 47        |
| 60 | 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        |
| 61 | Forward-central two-particle correlations in pPb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2016, 753, 136-139.  | 2.9  | 45        |
| 62 | Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 242301.   | 7.8  | 45        |
| 63 | $\bar{v}_1$ production and nuclear effects in p-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7  | 44        |
| 64 | Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.  | 2.6  | 44        |
| 65 | Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .  | 2.9  | 43        |
| 66 | Measurement of $D^0$ , $D^+$ , $D^{*+}$ and $D^+_s$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.   | 3.9  | 43        |
| 67 | $\bar{b}+c$ production in pp collisions at $\sqrt{s} = 7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7  | 42        |
| 68 | Precision measurement of the mass difference between light nuclei and anti-nuclei. Nature Physics, 2015, 11, 811-814.  | 16.7 | 41        |
| 69 | Prospects for quarkonium studies at the high-luminosity LHC. Progress in Particle and Nuclear Physics, 2022, 122, 103906.  | 14.4 | 41        |
| 70 | Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $s_{NN} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7  | 40        |
| 71 | Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 373-385. | 2.9  | 40        |
| 72 | 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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|----|---|-----|-----------|
| 73 | Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7 | 40        |
| 74 | Two-pion femtoscopy in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2015, 91, .  | 2.9 | 39        |
| 75 | Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.   | 3.9 | 39        |
| 76 | First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.  | 4.1 | 39        |
| 77 | Coherent $\rho(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.                  | 4.1 | 39        |
| 78 | Coherent $\rho(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.                  | 4.1 | 38        |
| 79 | Rapidity and transverse-momentum dependence of the inclusive $J/\psi$ 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        |
| 80 | Measurement of $\rho(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.                                    | 7.8 | 38        |
| 81 | Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.   | 3.9 | 38        |
| 82 | Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of K $^*$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 80, 1.                                  | 3.9 | 38        |
| 83 | Coherent $J/\psi$ photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370. | 4.1 | 37        |
| 84 | Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC. Physical Review Letters, 2020, 124, 092301.   | 7.8 | 37        |
| 85 | 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        |
| 86 | Measurement of transverse energy at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2016, 94, .   | 2.9 | 36        |
| 87 | Centrality dependence of pion freeze-out radii in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2016, 93, .  | 2.9 | 36        |
| 88 | Production of $\Sigma(1385)^{\pm}$ . European Physical Journal C, 2017, 77, 389.  | 3.9 | 36        |
| 89 | Investigation of the $\rho(770)$ interaction via femtoscopy in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135419.  | 4.1 | 36        |
| 90 | Charged jet cross sections and properties in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .   | 4.7 | 35        |

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|-----|---|-----|-----------|
| 91  | Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at s N N = 2.76 TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7 | 35        |
| 92  | Direct photon elliptic flow in Pb-Pb collisions at s N N = 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 308-322.  | 4.1 | 35        |
| 93  | Energy dependence of exclusive $\pi^0/\eta$ meson production in proton-proton collisions at s = 8 TeV. European Physical Journal C, 2018, 78, 1.  | 3.9 | 34        |
| 94  | Energy dependence of exclusive $\pi^0/\eta$ photoproduction off protons in ultra-peripheral Pb-Pb collisions at s = 5.02 TeV. European Physical Journal C, 2019, 79, 1.   | 3.9 | 34        |
| 95  | Centrality dependence of jet-like two-particle correlation structures in Pb-Pb collisions at s N N = 2.76 TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7 | 33        |
| 96  | Differential studies of inclusive $J/\psi$ and $\psi(2S)$ production at forward rapidity in Pb-Pb collisions at s N N = 2.76 TeV. Journal of High Energy Physics, 2016, 2016, 1.                                      | 4.7 | 33        |
| 97  | Measurement of charm and beauty hadron ratios in Pb-Pb collisions at s N N = 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 81-93.                            | 3.9 | 32        |
| 98  | Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at s = 0.9, 7, and 8 TeV. European Physical Journal C, 2017, 77, 1.  | 3.9 | 32        |
| 99  | Mid-rapidity anti-baryon to baryon ratios in pp collisions at s = 0.9, 2.76 and 7 TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.  | 3.9 | 31        |
| 100 | Centrality dependence of charged jet production in Pb-Pb collisions at s N N = 5.02 TeV. European Physical Journal C, 2016, 76, 271.  | 3.9 | 31        |
| 101 | Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at s = 7 TeV. European Physical Journal C, 2017, 77, 1.   | 3.9 | 31        |
| 102 | Neutral pion and $\eta$ meson production in Pb-Pb collisions at s N N = 2.76 TeV. European Physical Journal C, 2018, 78, 1.   | 3.9 | 31        |
| 103 | Inclusive, prompt and non-prompt $J/\psi$ production at mid-rapidity in Pb-Pb collisions at s N N = 2.76 TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7 | 30        |
| 104 | Coherent $\pi^0$ photoproduction in ultra-peripheral Pb-Pb collisions at s N N = 2.76 TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 4.7 | 30        |
| 105 | Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, Pb-Pb, and Pb-Pb collisions at the LHC. European Physical Journal C, 2016, 76, 86.   | 3.9 | 30        |
| 106 | Pseudorapidity dependence of the anisotropic flow of charged particles in Pb-Pb collisions at s N N = 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 376-388. | 4.1 | 30        |
| 107 | Centrality dependence of charged particle production in Pb-Pb collisions at s N N = 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 376-388.                   | 4.1 | 30        |

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|-----|---|-----|-----------|
| 109 | Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.  | 2.6 | 29        |
| 110 | Measurements of inclusive jet spectra in $\sqrt{s_{NN}} = 2.76$ and central Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review C, 2020, 101, .   | 2.9 | 29        |
| 111 | Centrality dependence of inclusive $J/\psi$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 4.7 | 28        |
| 112 | Production of $\pi^0$ and $\eta$ mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.  | 3.9 | 28        |
| 113 | Constraints on jet quenching in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 95-113. | 4.1 | 28        |
| 114 | $\psi$ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 114-120.   | 4.1 | 28        |
| 115 | Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 054907.   | 4.9 | 27        |
| 116 | Search for weakly decaying $\Lambda_c^+$ baryons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 054908.  | 4.1 | 27        |
| 117 | Exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, 054909.   | 4.1 | 27        |
| 118 | Multiplicity dependence of light (anti) nuclear production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135043.  | 4.1 | 27        |
| 119 | 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        |
| 120 | Multipion Bose-Einstein correlations in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, 054910.   | 2.9 | 25        |
| 121 | Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2018, 97, .   | 4.1 | 25        |
| 122 | Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2018, 97, .   | 4.1 | 25        |
| 123 | Suppression of $\psi(2S)$ production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 24        |
| 124 | Measurement of the production of high-pT electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 467-481.                              | 4.1 | 24        |
| 125 | Measurement of the production of high-pT electrons from heavy-flavour hadron decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and $8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 7-20.                      | 4.1 | 24        |
| 126 | (Anti)-deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.   | 3.9 | 24        |



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|-----|--|-----|-----------|
| 127 | Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 41-56. | 2.7 | 23        |
| 128 | Azimuthal anisotropy of charged jet production in Pb-Pb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 511-525.  | 2.7 | 23        |
| 129 | Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 245.                       | 3.9 | 23        |
| 130 | Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ TeV and Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.   | 3.9 | 23        |
| 131 | Prompt D0, D+, and D*+ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.  | 4.7 | 23        |
| 132 | Multiplicity dependence of $K^*(892)^0$ and $\bar{K}^*(1020)$ production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135501.             | 4.1 | 22        |
| 133 | Kaon femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, 014907.  | 2.9 | 21        |
| 134 | Jet-like correlations with neutral pion triggers in pp and central Pb-Pb collisions at 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 238-250.                             | 4.1 | 20        |
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