

Domenico Di Bari

List of Publications by Year in descending order

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Version: 2024-02-01

297
papers

19,831
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7517
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Long-range angular correlations on the near and away side in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39. | 7.8 | 659 |
| 2 | Long-range angular correlations on the near and away side in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39. | 4.1 | 561 |
| 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, 2011, 106, 032301. | 7.8 | 507 |
| 4 | Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 032301. | 7.8 | 482 |
| 5 | Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39. | 2.9 | 465 |
| 6 | Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539. | 4.1 | 433 |
| 7 | Multiplicity dependence of pion, kaon, proton and lambda production in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39. | 16.7 | 399 |
| 8 | Centrality dependence of charged particle 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, 2011, 696, 30-39. | 4.1 | 307 |
| 9 | Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252301. | 4.1 | 301 |
| 10 | Production of charm quarks in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 252301. | 7.8 | 296 |
| 11 | Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE. Physical Review C, 2013, 88, 034901. | 7.8 | 270 |
| 12 | Long-range angular correlations of Λ_c and $\bar{\Lambda}_c$ in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177. | 2.9 | 267 |
| 13 | Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.1 | 235 |
| 14 | Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 7$ TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354. | 4.1 | 235 |
| 15 | Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227. | 3.9 | 212 |
| 16 | Production of pions, kaons and protons in pp collisions at $\sqrt{s} = 900$ – $\sqrt{s} = 7000$ GeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1. | 3.9 | 209 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 012301. | 7.8 | 194 |
| 20 | Charmonium and $e + e \hat{e}^+$ 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 |
| 21 | Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456. | 3.9 | 202 |
| 22 | Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108. | 3.9 | 199 |
| 23 | Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions 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, 2014, 736, 196-207. | 7.8 | 194 |
| 24 | Harmonic decomposition of two-particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207. | 4.1 | 189 |
| 25 | Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252301. | 4.1 | 188 |
| 26 | Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 252301. | 7.8 | 182 |
| 27 | 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 |
| 28 | Elliptic flow of charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 014907. | 4.1 | 171 |
| 29 | Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301. | 7.8 | 171 |
| 30 | Suppression of charged-particle production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 102301. | 4.1 | 171 |
| 31 | 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. | 4.1 | 163 |
| 32 | Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68. | 4.1 | 156 |
| 33 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622. | 7.8 | 155 |
| 34 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622. | 4.1 | 154 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in $\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle mml:mi \rangle p \langle /mml:mi \rangle \langle mml:mo \rangle + \langle /mml:mo \rangle \langle mml:mi \rangle \text{Pb} \langle /mml:mi \rangle \langle /mml:math \rangle$ Collisions at $\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle mml:msqrt \rangle \langle mml:msub \rangle \langle mml:mi \rangle s \langle /mml:mi \rangle \langle mml:mrow \rangle \langle mml:mi \rangle N \langle /mml:mi \rangle \langle mml:mi \rangle N \langle /mml:mi \rangle \langle /mml:mrow \rangle$ | 7.8 | 151 |
| 38 | Strangeness enhancement at mid-rapidity in Pb-Pb collisions at 158 A GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 401-406. | 4.1 | 150 |
| 39 | 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 |
| 40 | Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302. | 7.8 | 148 |
| 41 | Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1. | 3.9 | 140 |
| 42 | Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 139 |
| 43 | Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302. | 7.8 | 138 |
| 44 | Centrality dependence of particle production in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2015, 91, . | 2.9 | 135 |
| 45 | Neutral pion and η meson production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172. | 4.1 | 133 |
| 46 | Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380. | 4.1 | 130 |
| 47 | Multiparticle azimuthal correlations in Pb-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, . | 2.9 | 130 |
| 48 | Production of light nuclei and anti-nuclei in p and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, . | 2.9 | 129 |
| 49 | Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 1. | 3.9 | 125 |
| 50 | First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s} = 900$ GeV. European Physical Journal C, 2010, 65, 111-125. | 3.9 | 124 |
| 51 | 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 |
| 52 | Enhancement of central \hat{p}_T , \hat{p}_T and yields in Pb-Pb collisions at 158 A GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 209-216. | 4.1 | 116 |
| 53 | Rapidity and transverse momentum dependence of inclusive $\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle mml:mi \rangle J \langle /mml:mi \rangle \langle mml:mo \rangle \text{stretchy="false"} \rangle \langle /mml:mo \rangle \langle mml:mi \rangle \hat{p}_T \langle /mml:mi \rangle \langle /mml:math \rangle$ production in pp collisions at $\langle mml:math \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"} \rangle \langle mml:msqrt \rangle \langle mml:mi \rangle s \langle /mml:mi \rangle \langle /mml:msqrt \rangle \langle mml:mo \rangle = \langle /mml:mo \rangle \langle mml:mn \rangle 7 \langle /mml:mn \rangle \langle mml:mtext \rangle \hat{A} \langle /mml:mtext \rangle$ | 4.1 | 115 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 115 |
| 56 | Production of Λ^0 and $\bar{\Lambda}^0$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 111 |
| 57 | Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, 034907. | 2.9 | 110 |
| 58 | Production of charged pions, kaons, and (anti)protons in Pb-Pb and inelastic pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 101, 054907. | 2.9 | 110 |
| 59 | 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 |
| 60 | Azimuthal anisotropy of meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14. | 2.9 | 101 |
| 61 | Exclusive production of protons in ultraperipheral collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14. | 7.8 | 100 |
| 62 | Polarization in collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14. | 7.8 | 99 |
| 63 | Enhancement of hyperon production at central rapidity in 158A GeV/c Pb-Pb collisions. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 427-441. | 3.6 | 98 |
| 64 | Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, 034907. | 7.8 | 97 |
| 65 | Production of Muons from Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, 034907. | 7.8 | 96 |
| 66 | Meson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14. | 7.8 | 94 |
| 67 | Femtoscopic studies of meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, 034907. | 4.7 | 93 |
| 68 | Production of charged pions, kaons, and (anti)protons as a function of charged particle multiplicity in pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, 034907. | 4.1 | 93 |
| 69 | 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 |
| 70 | Suppression 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, 2017, 766, 212-224. | 4.1 | 92 |
| 71 | A 1006 element hybrid silicon pixel detector with strobed binary output. IEEE Transactions on Nuclear Science, 1992, 39, 654-661. | 2.0 | 89 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2974. | 3.9 | 89 |
| 74 | Production of K^0_S and ϕ (1020) in Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2016, 76, 245. | 3.9 | 89 |
| 75 | Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2010, 82, 054907. | 2.9 | 89 |
| 76 | Production of ϕ (1020) in pp collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 295-306. | 4.1 | 88 |
| 77 | 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 |
| 78 | 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, 2010, 82, 054907. | 2.9 | 87 |
| 79 | Measurement of π^0 production in Pb - Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 309-318. | 2.8 | 86 |
| 80 | Multi-strange baryon production in pp collisions at $\sqrt{s}=7$ TeV with ALICE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 309-318. | 4.1 | 86 |
| 81 | and Λ meson production at high transverse momentum in pp collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2010, 82, 054907. | 2.9 | 86 |
| 82 | Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329. | 4.1 | 82 |
| 83 | Production of ϕ (1020) at Very Low p_T in Pb - Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2010, 82, 054907. | 7.8 | 77 |
| 84 | LHC1: A semiconductor pixel detector readout chip with internal, tunable delay providing a binary pattern of selected events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 383, 55-63. | 1.6 | 75 |
| 85 | production in sulphur-tungsten interactions at 200 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 270, 123-127. | 4.1 | 73 |
| 86 | 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 |
| 87 | Energy dependence of hyperon production in nucleus-nucleus collisions at SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 68-74. | 4.1 | 71 |
| 88 | Production of deuterons, tritons, and their antinuclei in nucleus-nucleus collisions at SPS. Physical Review C, 2004, 70, 054907. | 2.9 | 71 |
| 89 | Relativistic heavy-ion production at forward rapidity in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 309-318. | 4.1 | 69 |
| 90 | Elliptic Flow in Pb - Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 111, 162301. | 7.8 | 69 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272. | 6.8 | 68 |
| 92 | 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 |
| 93 | Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 772, 567-577. | 7.8 | 67 |
| 94 | Midrapidity Antiproton-to-Proton Ratio in $\sqrt{s_{NN}} = 0.9$ TeV and $\sqrt{s_{NN}} = 7$ TeV Measured by the ALICE Experiment. Physical Review Letters, 2010, 105, 072002. | 7.8 | 67 |
| 95 | Suppression of \bar{p}/p in $\sqrt{s_{NN}} = 1$ TeV Pb-Pb collisions. Physical Review Letters, 2010, 105, 072002. | 4.1 | 67 |
| 96 | rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 1. | 3.9 | 62 |
| 97 | Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1. | 3.9 | 62 |
| 98 | Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1. | 4.7 | 61 |
| 99 | Two-pion Bose-Einstein correlations in $\sqrt{s_{NN}} = 900$ TeV collisions at $\sqrt{s_{NN}} = 900$ TeV. Physical Review D, 2010, 82, ... | 3.9 | 61 |
| 100 | Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1. | 4.1 | 60 |
| 101 | Production of inclusive J/ψ and $\psi(2S)$ in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272. | 4.7 | 57 |
| 102 | meson production at central rapidity in proton-proton collisions at $\sqrt{s_{NN}} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 58 |
| 103 | Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 7.8 | 58 |
| 104 | Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1. | 3.9 | 58 |
| 105 | Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1. | 4.7 | 57 |
| 106 | Measurement of electrons from semileptonic heavy-flavor hadron decays in $\sqrt{s_{NN}} = 7$ TeV collisions at $\sqrt{s_{NN}} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 54 |
| 107 | Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.1 | 51 |
| 108 | Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s_{NN}} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23. | | |

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|-----|--|-----|-----------|
| 109 | Two- and three-pion quantum statistics correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054907. | 2.9 | 51 |
| 110 | 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 |
| 111 | Energy dependence of forward-rapidity $\psi(2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392. | 3.9 | 50 |
| 112 | First operation of a 72 k element hybrid silicon micropattern pixel detector array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 138-155. | 1.6 | 49 |
| 113 | Observation of a narrow scalar meson at 1450 MeV in the reaction at 450 GeV/c using the CERN Omega spectrometer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 509-514. | 4.1 | 49 |
| 114 | Measurement of charged jet production cross sections and nuclear modification in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81. | 2.9 | 49 |
| 115 | Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 48 |
| 116 | Production of strange and multistrange hadrons in nucleus-nucleus collisions at the SPS. Nuclear Physics A, 1999, 661, 130-139. | 2.9 | 47 |
| 117 | Production of strange and multistrange hadrons in nucleus-nucleus collisions at the SPS. Nuclear Physics A, 1999, 661, 130-139. | 1.5 | 46 |
| 118 | Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279. | 4.1 | 46 |
| 119 | One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 92, 054907. | 2.9 | 46 |
| 120 | Light vector meson production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568. | 4.1 | 45 |
| 121 | Freeze-out radii extracted from three-pion cumulants in pp, Pb-Pb and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151. | 4.1 | 45 |
| 122 | Forward-central two-particle correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 126-139. | 2.9 | 45 |
| 123 | The CSI-based RICH detector array for the identification of high momentum particles in ALICE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 101-107. | 1.6 | 44 |
| 124 | J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 44 |
| 125 | Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1. | 2.6 | 44 |
| 126 | Production of multistrange baryons and antibaryons in sulphur-tungsten interactions at 200 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 259, 508-510. | 4.1 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | 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, . | 4.1 | 41 |
| 128 | A further study of the centrally produced $\bar{\Lambda}^0$ and Λ^0 channels in pp interactions at 300 and 450 GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 589-594. | 4.1 | 41 |
| 129 | Final tests of the Csl-based ring imaging detector for the ALICE experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 178-189. | 1.6 | 41 |
| 130 | Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 40 |
| 131 | Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 373-385. | 4.1 | 40 |
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