



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2019.

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2019.
(Web of Science Core Collection)

1. Acharya, S.; ... ; Antičić, T.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, Mi.; ... ; Poljak, N.; ... ; Simatović, G.; ... ; Utrobičić, A.; ... ; Vicković, L.; ... ; Zou, S. (ALICE Collaboration)
Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV
PHYSICAL REVIEW C. **99** (2), 024912 (2019)
DOI: <http://dx.doi.org/10.1103/PhysRevC.99.024912>
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2. Acharya, S.; ... ; Antičić, T.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, Mi.; ... ; Poljak, N.; ... ; Simatović, G.; ... ; Utrobičić, A.; ... ; Vicković, L.; ... ; Zurlo, N. (ALICE Collaboration)
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. **79** (10), 857 (2019)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-019-7350-y>
IF (2019): 4.389

3. Acharya, S.; ... ; Antičić, T.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, Mi.; ... ; Poljak, N.; ... ; Simatović, G.; ... ; ... ; Utrobičić, A.; ... ; Vicković, L.; ... ; Zmeskal, J. (ALICE Collaboration)
Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **79** (5), 402 (2019)
DOI: <http://dx.doi.org/10.1140/epjc/s10052-019-6816-2>
IF (2019): 4.389

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Measurement of the production of charm jets tagged with D^0 mesons in pp collisions at $\sqrt{s}=7$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2019** (08), 133 (2019)
DOI: [http://dx.doi.org/10.1007/JHEP08\(2019\)133](http://dx.doi.org/10.1007/JHEP08(2019)133)
IF (2019): 5.875

5. Acharya, S.; ... ; Antičić, T.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, M.; ... ; Poljak, N.; ... ; Simatović, G.; ... ; Utrobičić, A.; ... ; Vicković, L.; ... ; Zurlo, N. (ALICE Collaboration)
Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s}=7$ TeV
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 Λ_c^+ production in pb-pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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Measurement of D^0 , D^+ , D^{*+} and D_s^+ production in pp collisions at $\sqrt{s}=5.02$ TeV with ALICE
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Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{NN}}=5.02$ TeV p-Pb collisions
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Multiplicity dependence of (anti-)deuteron production in pp collisions at $\sqrt{s}=7$ TeV
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Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
EUROPEAN PHYSICAL JOURNAL C. **79** (4), 307 (2019)
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Real-time data processing in the ALICE High Level Trigger at the LHC
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Calibration of the photon spectrometer PHOS of the ALICE experiment
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Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s}=7$ TeV
PHYSICAL REVIEW C. **99** (2), 024906 (2019)
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Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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Measuring $k_s^0 k^\pm$ interactions using pp collisions at $\sqrt{s}=7$ TeV
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Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV
PHYSICS LETTERS B. **788**, 166-179 (2019)
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 Υ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
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 Production of the $\rho(770)^0$ meson in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
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 Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
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Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV

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Measurements of $\mu\mu$ pairs from open heavy flavor and Drell-Yan in p plus p collisions at $\sqrt{s}=200$ GeV

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Nuclear Dependence of the Transverse Single-Spin Asymmetry in the Production of Charged Hadrons at Forward Rapidity in Polarized p plus p, p plus Al, and p plus Au Collisions at $\sqrt{s_{NN}}=200$ GeV

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