University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS IN 2024

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2024
(Web of Science Core Collection)

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1. (PHENIX Collaboration) Abdulameer, N. J.; …; Makek, M.; …; Zelenski, A.
Centrality dependence of Levy-stable two-pion Bose-Einstein correlations in √sNN=200 GeV Au + Au collisions
PHYSICAL REVIEW C. 110(2024), 6;
DOI: https://doi.org/10.1103/PhysRevC.110.064909

2. (PHENIX Collaboration) Abdulameer, N. J.; …: Makek, M.; …: Zou, L.
Jet modification via Π0-hadron correlations in Au + Au collisions at √sNN=200 GeV
PHYSICAL REVIEW C. 110(2024), 4; 44901
DOI: https://doi.org/10.1103/PhysRevC.110.044901

3. (PHENIX Collaboration) Abdulameer, N. J.; …: Makek, M.; …; Zou, L.
Identified charged-hadron production in p + Al, 3He+Au, and Cu plus v Au collisions at √sNN=200 GeV and in U plus U collisions at √sNN=193 GeV
PHYSICAL REVIEW C. 109(2024), 5; 54910
DOI: https://doi.org/10.1103/PhysRevC.109.054910

4. (PHENIX Collaboration) Abdulameer, N. J.; …; Makek, M.; …; Zou, L.
Nonprompt direct-photon production in Au plus Au collisions at √sNN=200 GeV
PHYSICAL REVIEW C. 109(2024), 4; 44912
DOI: https://doi.org/10.1103/PhysRevC.109.044912

5. (PHENIX Collaboration) Abdulameer, N. J.; …; Makek, M.; …; Zou, L.
Charm- and bottom-quark production in Au plus Au collisions at √sNN=200 GeV
PHYSICAL REVIEW C. 109(2024), 4; 44907
DOI: https://doi.org/10.1103/PhysRevC.109.044907

6. (TJNAF Collaboration) Accardi, A.; …; Androić, D.; …; Zihlmann, B.
Strong interaction physics at the luminosity frontier with 22 GeV electrons at Jefferson Lab
EUROPEAN PHYSICAL JOURNAL A. 60(2024), 9; 173
DOI: https://doi.org/10.1140/epja/s10050-024-01282-x

7. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Vranić, D.; ...; Zurlo, N.
ALICE upgrades during the LHC Long Shutdown 2
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DOI: https://doi.org/10.1088/1748-0221/19/05/P05062

8. (ALICE Collaboration) Acharya, S.; ...; Erhardt, F.; ...; Gotovac,S.; ...; Jerčić, M.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
The ALICE experiment : a journey through QCD
EUROPEAN PHYSICAL JOURNAL C. 84(2024), 8; 813
DOI: https://doi.org/10.1140/epjc/s10052-024-12935-y

9. (ALICE Collaboration) Acharya, S.; ...; Erhardt, F.; ...; Gotovac,S.; ...; Jerčić, M.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Azimuthal anisotropy of jet particles in p-Pb and Pb-Pb collisions at √sNN=5.02 TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 8; 234
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Measurement of the fraction of jet longitudinal momentum carried by Λc+ baryons in pp collisions
PHYSICAL REVIEW D. 109(2024), 7; 72005
DOI: https://doi.org/10.1103/PhysRevD.109.072005

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First Measurement of the |t| Dependence of Incoherent J/ψ Photonuclear Production
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DOI: https://doi.org/10.1103/PhysRevLett.132.162302

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15. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
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PHYSICS LETTERS B. 850(2024), 138477
DOI: https://doi.org/10.1016/j.physletb.2024.138477

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ALICE luminosity determination for Pb-Pb collisions at √sNN=5.02 TeV
JOURNAL OF INSTRUMENTATION. 19(2024), 2; P02039
DOI: https://doi.org/10.1088/1748-0221/19/02/P02039

19. (ALICE Collaboration) Acharya, S.; ...; Gotovac,S.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
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25. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Zurlo, N.
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Modification of charged-particle jets in event-shape engineered Pb-Pb collisions at √SNN=5.02 TeV
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Measurement of (anti)alpha production in central Pb-Pb collisions at √sNN=5.02 TeV
PHYSICS LETTERS B. 858(2024), 138943
DOI: https://doi.org/10.1016/j.physletb.2024.138943

53. (Hot and Cold QCD) Achenbach, P.; …; Androić, D.; …; Zurek, M.
The present and future of QCD
NUCLEAR PHYSICS A. 1047(2024), 122874
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Computing tools for effective field theories
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