



University of Zagreb  
Faculty of Science  
Department of Physics

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SCIENTIFIC PUBLICATIONS  
IN 2025

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2025  
(Web of Science Core Collection)

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1. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Low-mass vector-meson production at forward rapidity in p + p and Au + Au collisions at  $\sqrt{s_{NN}}=200$  GeV  
PHYSICAL REVIEW C. 112 (2025), 6; 064918  
<https://doi.org/10.1103/s25h-my1f>
2. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Measurements at forward rapidity of elliptic flow of charged hadrons and open-heavy-flavor muons in Au + Au collisions at  $\sqrt{s_{NN}}=200$  GeV  
PHYSICAL REVIEW C. 112 (2025), 3; 034902  
<https://doi.org/10.1103/ptpm-jtt8>
3. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Measurement of elliptic flow of  $J/\psi$  in  $\sqrt{s_{NN}}=200$  GeV Au + Au collisions at forward rapidity  
PHYSICAL REVIEW C. 112 (2025), 1; 014904  
<https://doi.org/10.1103/6pmd-6dwr>
4. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Measurement of inclusive jet cross section and substructure in p + p collisions at  $\sqrt{s}=200$  GeV  
PHYSICAL REVIEW D. 111 (2025), 11; 112008  
<https://doi.org/10.1103/hpm9-qfp6>
5. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Multiplicity dependent  $J/\psi$  and  $\psi(2S)$  production at forward and backward rapidity in p + p collisions at  $\sqrt{s}=200$  GeV  
PHYSICAL REVIEW D. 112 (2025), 5; L051103  
<https://doi.org/10.1103/6vqj-wdfr>
6. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zou, L.  
Disentangling Centrality Bias and Final-State Effects in the Production of High-pT Neutral Pions Using Direct Photon in d + Au Collisions at  $\sqrt{s_{NN}}=200$  GeV  
PHYSICAL REVIEW LETTERS. 134 (2025), 2; 022302  
<https://doi.org/10.1103/PhysRevLett.134.022302>
7. (Jefferson Lab Hall A Tritium Collaboration) Abrams, D.; ...; Androić, D.; ...; Zhang, J.  
EMC Effect of Tritium and Helium-3 from the JLab MARATHON Experiment  
PHYSICAL REVIEW LETTERS. 135 (2025), 6; 62502  
<https://doi.org/10.1103/31xz-s84d>

8. (ALICE Collaboration) Acharya, S.; ...; Erhard, F.; ...; Jerčić, M.; ...; Karatović, D.; ...; Planinić, M.; ...; Poljak, N.; ...; Zurlo, N.  
Multiplicity dependence of  $\Gamma$  production at forward rapidity in pp collisions at  $\sqrt{s}=13$  TeV  
NUCLEAR PHYSICS B. 1011 (2025), 116786  
<https://doi.org/10.1016/j.nuclphysb.2024.116786>
9. (ALICE Collaboration) Acharya, S.; ...; Erhard, F.; ...; Jerčić, M.; ...; Karatović, D.; ...; Planinić, M.; ...; Poljak, N.; ...; Zurlo, N.  
First polarisation measurement of coherently photoproduced  $J/\psi$  in ultra-peripheral Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
PHYSICS LETTERS B. 865 (2025), 139466  
<https://doi.org/10.1016/j.physletb.2025.139466>
10. (ALICE Collaboration) Acharya, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Zurlo, N.  
Measurement of  $\omega$  meson production in pp collisions at  $\sqrt{s}=13$  TeV  
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 4; 67  
[https://doi.org/10.1007/JHEP04\(2025\)067](https://doi.org/10.1007/JHEP04(2025)067)
11. (ALICE Collaboration) Acharya, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Zurlo, N.  
Measurement of the inclusive isolated-photon production cross section in pp collisions at  $\sqrt{s}=13$  TeV  
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 1; 98  
<https://doi.org/10.1140/epjc/s10052-024-13506-x>
12. (ALICE Collaboration) Acharya, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Zurlo, N.  
Measurement of the production cross section of prompt  $\Xi_c0$  baryons in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 1; 86  
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13. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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14. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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PHYSICAL REVIEW C. 111 (2025), 1; 015201  
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15. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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16. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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PHYSICAL REVIEW C. 112 (2025), 5; 054906  
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17. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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23. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.  
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Multiplicity-dependent inclusive  $J/\psi$  production at forward rapidity in pp collisions at  $\sqrt{s}=13$  TeV  
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Measurement of the inclusive isolated-photon production cross section in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV  
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