



Sveučilište u Zagrebu
Prirodoslovno-matematički fakultet
Fizički odsjek

ZNANSTVENE PUBLIKACIJE
FIZIČKOG ODSJEKA
2024.

ZNANSTVENE PUBLIKACIJE FIZIČKOG ODSJEKA U 2024. GODINI (Web of Science Core Collection)

1. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, M.; ...; Zelenski, A.
Centrality dependence of Levy-stable two-pion Bose-Einstein correlations in $\sqrt{s_{NN}}=200$ 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 Π^0 -hadron correlations in Au + Au collisions at $\sqrt{s_{NN}}=200$ 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 $\sqrt{s_{NN}}=200$ GeV and in U plus U collisions at $\sqrt{s_{NN}}=193$ 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 $\sqrt{s_{NN}}=200$ 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 $\sqrt{s_{NN}}=200$ 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
JOURNAL OF INSTRUMENTATION. 19(2024), 5; P05062
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 $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 8; 234
DOI: [https://doi.org/10.1007/JHEP08\(2024\)234](https://doi.org/10.1007/JHEP08(2024)234)

10. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurement of inclusive charged-particle jet production in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 5; 41
DOI: [https://doi.org/10.1007/JHEP05\(2024\)041](https://doi.org/10.1007/JHEP05(2024)041)

11. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurement of the fraction of jet longitudinal momentum carried by Λ_c^+ baryons in pp collisions
PHYSICAL REVIEW D. 109(2024), 7; 72005
DOI: <https://doi.org/10.1103/PhysRevD.109.072005>

12. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
First Measurement of the $|t|$ Dependence of Incoherent J/ψ Photonuclear Production
PHYSICAL REVIEW LETTERS. 132(2024), 16;
DOI: <https://doi.org/10.1103/PhysRevLett.132.162302>

13. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 $\psi(2S)$ Suppression in Pb-Pb Collisions at the LHC
 PHYSICAL REVIEW LETTERS. 132(2024), 4; 42301
 DOI: <https://doi.org/10.1103/PhysRevLett.132.042301>

14. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip.; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 Search for the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV
 PHYSICS LETTERS B. 856(2024), 138862
 DOI: <https://doi.org/10.1016/j.physletb.2024.138862>

15. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 Pseudorapidity dependence of anisotropic flow and its decorrelations using long-range multiparticle correlations in Pb-Pb and Xe-Xe collisions
 PHYSICS LETTERS B. 850(2024), 138477
 DOI: <https://doi.org/10.1016/j.physletb.2024.138477>

16. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 Measurements of inclusive J/ψ production at midrapidity and forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
 PHYSICS LETTERS B. 849(2024), 138451
 DOI: <https://doi.org/10.1016/j.physletb.2024.138451>

17. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 Measurement of the radius dependence of charged-particle jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
 PHYSICS LETTERS B. 849(2024), 138412
 DOI: <https://doi.org/10.1016/j.physletb.2023.138412>

18. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, Eugen; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 ALICE luminosity determination for Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ 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.
Studying strangeness and baryon production mechanisms through angular correlations between charged Ξ baryons and identified hadrons in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 9; 102
DOI: [https://doi.org/10.1007/JHEP09\(2024\)102](https://doi.org/10.1007/JHEP09(2024)102)
20. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of beauty production via non-prompt charm hadrons in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 11; 148
DOI: [https://doi.org/10.1007/JHEP11\(2024\)148](https://doi.org/10.1007/JHEP11(2024)148)
21. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Charm fragmentation fractions and $c(c)$ -over-bar cross section in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. 84(2024), 12; 1286
DOI: <https://doi.org/10.1140/epic/s10052-024-13394-1>
22. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of beauty-quark production in pp collisions at $\sqrt{s}=13$ TeV via non-prompt D mesons
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 10; 110
DOI: [https://doi.org/10.1007/JHEP10\(2024\)110](https://doi.org/10.1007/JHEP10(2024)110)
23. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Investigating strangeness enhancement in jet and medium via $\phi(1020)$ production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 110(2024), 6; 64912
DOI: <https://doi.org/10.1103/PhysRevC.110.064912>
24. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of the production and elliptic flow of (anti)nuclei in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV
PHYSICAL REVIEW C. 110(2024), 6; 64901
DOI: <https://doi.org/10.1103/PhysRevC.110.064901>
25. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Zurlo, N.
Systematic study of flow vector fluctuations in $\sqrt{s_{NN}}=5.02$ TeV Pb-Pb collisions
PHYSICAL REVIEW C. 109(2024), 6; 65202
DOI: <https://doi.org/10.1103/PhysRevC.109.065202>

26. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of $\Omega c0$ baryon production and branching-fraction ratio $BR(\Omega c0 \rightarrow \Omega^- e^+ \nu_e)/BR(\Omega c0 \rightarrow \Omega^- \pi^+)$ in pp collisions at $\sqrt{s}=13$ TeV
PHYSICAL REVIEW D. 110(2024), 3; 32014
DOI: <https://doi.org/10.1103/PhysRevD.110.032014>

27. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Rapidity dependence of antideuteron coalescence in pp collisions at $\sqrt{s}=13$ TeV with ALICE
PHYSICS LETTERS B. 860(2025), 139191
DOI: <https://doi.org/10.1016/j.physletb.2024.139191>

28. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of the impact-parameter dependent azimuthal anisotropy in coherent $p0$ photoproduction in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. 858(2024), 139017
DOI: <https://doi.org/10.1016/j.physletb.2024.139017>

29. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Investigating strangeness enhancement with multiplicity in pp collisions using angular correlations
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 9; 204
DOI: [https://doi.org/10.1007/JHEP09\(2024\)204](https://doi.org/10.1007/JHEP09(2024)204)

30. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Studying the interaction between charm and light-flavor mesons
PHYSICAL REVIEW D. 110(2024), 3; 32004
DOI: <https://doi.org/10.1103/PhysRevD.110.032004>

31. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Multiplicity dependence of charged-particle intra-jet properties in pp collisions at $\sqrt{s}=13$ TeV
EUROPEAN PHYSICAL JOURNAL C. 84(2024), 10; 1079
DOI: <https://doi.org/10.1140/epjc/s10052-024-13228-0>

32. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurements of Chemical Potentials in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. 133(2024), 9; 92301
DOI: <https://doi.org/10.1103/PhysRevLett.133.092301>

33. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Emergence of Long-Range Angular Correlations in Low-Multiplicity Proton-Proton Collisions
PHYSICAL REVIEW LETTERS. 132(2024), 17; 172302
DOI: <https://doi.org/10.1103/PhysRevLett.132.172302>

34. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Investigating the composition of the $K_0^*(700)$ state with $\pi^\pm K_S^0$ correlations at the LHC
PHYSICS LETTERS B. 856(2024), 138915
DOI: <https://doi.org/10.1016/j.physletb.2024.138915>

35. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Multiplicity-dependent production of $\Sigma(1385)^\pm$ and $(1530)^0$ in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 5; 317
DOI: [https://doi.org/10.1007/JHEP05\(2024\)317](https://doi.org/10.1007/JHEP05(2024)317)

36. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Search for jet quenching effects in high-multiplicity pp collisions at $\sqrt{s}=13$ TeV via di-jet acoplanarity
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 5; 229
DOI: [https://doi.org/10.1007/JHEP05\(2024\)229](https://doi.org/10.1007/JHEP05(2024)229)

37. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, David; ...; Lončar, P.; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, L.; ...; Zurlo, N.
Multiplicity and event-scale dependent flow and jet fragmentation in pp collisions at $\sqrt{s}=13$ TeV and in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 3; 92
DOI: [https://doi.org/10.1007/JHEP03\(2024\)092](https://doi.org/10.1007/JHEP03(2024)092)

38. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Prompt and non-prompt J/ψ production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 2; 66
DOI: [https://doi.org/10.1007/JHEP02\(2024\)066](https://doi.org/10.1007/JHEP02(2024)066)

39. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Exploring the Strong Interaction of Three-Body Systems at the LHC
PHYSICAL REVIEW X. 14(2024), 3; 31051
DOI: <https://doi.org/10.1103/PhysRevX.14.031051>

40. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Modification of charged-particle jets in event-shape engineered Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. 851(2024), 138584
DOI: <https://doi.org/10.1016/j.physletb.2024.138584>

41. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Light-flavor particle production in high-multiplicity pp collisions at $\sqrt{s}=13$ TeV as a function of transverse sphericity
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 5; 184
DOI: [https://doi.org/10.1007/JHEP05\(2024\)184](https://doi.org/10.1007/JHEP05(2024)184)

42. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurements of jet quenching using semi-inclusive hadron plus jet distributions in pp and central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 110(2024), 1; 14906
DOI: <https://doi.org/10.1103/PhysRevC.110.014906>

43. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
 $K^*(892)^\pm$ resonance production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 109(2024), 4; 44902
DOI: <https://doi.org/10.1103/PhysRevC.109.044902>

44. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Femtoscopic correlations of identical charged pions and kaons in pp collisions at $\sqrt{s}=13$ TeV with event-shape selection
PHYSICAL REVIEW C. 109(2024), 2; 24915
DOI: <https://doi.org/10.1103/PhysRevC.109.024915>

45. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
System-size dependence of the hadronic rescattering effect at energies available at the CERN Large Hadron Collider
PHYSICAL REVIEW C. 109(2024), 1; 14911
DOI: <https://doi.org/10.1103/PhysRevC.109.014911>

46. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Observation of Medium-Induced Yield Enhancement and Acoplanarity Broadening of Low-pT Jets from Measurements in pp and Central Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. 133(2024), 2; 22301
DOI: <https://doi.org/10.1103/PhysRevLett.133.022301>

47. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Photoproduction of $K^+ K^-$ Pairs in Ultraperipheral Collisions
PHYSICAL REVIEW LETTERS. 132(2024), 22; 222303
DOI: <https://doi.org/10.1103/PhysRevLett.132.222303>

48. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Kovačić, Nino; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Observation of abnormal suppression of $f_0(980)$ production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. 853(2024), 138665
DOI: <https://doi.org/10.1016/j.physletb.2024.138665>

49. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Skewness and kurtosis of mean transverse momentum fluctuations at the LHC energies
PHYSICS LETTERS B. 850(2024), 138541
DOI: <https://doi.org/10.1016/j.physletb.2024.138541>

50. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurements of long-range two-particle correlation over a wide pseudorapidity range in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 1; 199
DOI: [https://doi.org/10.1007/JHEP01\(2024\)199](https://doi.org/10.1007/JHEP01(2024)199)

51. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Charged-particle production as a function of the relative transverse activity classifier in pp, p-Pb, and Pb-Pb collisions at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 1; 56
DOI: [https://doi.org/10.1007/JHEP01\(2024\)056](https://doi.org/10.1007/JHEP01(2024)056)

52. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of (anti)alpha production in central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ 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
DOI: <https://doi.org/10.1016/j.nuclphysa.2024.122874>

54. Aebischer, Jason; Fael, Matteo; Fuentes-Martin, Javier; Thomsen, Anders Eller; Virto, Javier; Allwicher, Lukas; Bakshi, Supratim Das; Belusca-Maito, Hermes; de Blas, Jorge; Chala, Mikael; Criado, Juan Carlos; Dedes, Athanasios; Fonseca, Renato M.; Goncalves, Angelica; Ilakovac, Amon; Koenig, Matthias; Patra, Sunando Kumar; Kuehler, Paul; Mador-Bozinovic, Marija; Misiak, Mikolaj; Miralles, Victor; Nalecz, Ignacy; Reboud, Meril; Reina, Laura; Rosiek, Janusz; Ryczkowski, Michal; Santiago, Jose; Silvestrini, Luca; Stangl, Peter; Stoeckinger, Dominik; Stoffer, Peter; Vicente, Avelino; Weisswange, Matthias
Computing tools for effective field theories
EUROPEAN PHYSICAL JOURNAL C. 84(2024), 2; 170
DOI: <https://doi.org/10.1140/epjc/s10052-023-12323-y>

55. Alarcon, R.; Beck, R.; Bernauer, J. C.; Broering, M.; Christopher, A.; Cline, E. W.; Dhital, S.; Dongwi, B.; Fernando, I.; Finger, M.; Finger Jr., M.; Friscic, I.; Gautam, T.; Grauvogel, G. N.; Hasell, D. K.; Hen, O.; Horn, T.; Ihloff, E.; Johnston, R.; Kelsey, J.; Kohl, M.; Kutz, T.; Lavrukhin, I.; Lee, S.; Lorenzon, W.; Lunkenheimer, S.; Maas, F.; Milner, R. G.; Moran, P.; Nazeer, J.; Patel, T.; Rathnayake, M.; Raymond, R.; Redwine, R. P.; Schmidt, A.; Schneckloth, U.; Sokhan, D.; Suresh, M.; Vidal, C.; Yang, Z.
The two-photon exchange experiment at DESY
EUROPEAN PHYSICAL JOURNAL A. 60(2024), 4; 81
DOI: <https://doi.org/10.1140/epja/s10050-024-01299-2>

56. (n_TOF Collaboration) Alcayne, V.; ...; Bosnar, Damir; ...; Žugec, Petar
A Segmented Total Energy Detector (sTED) optimized for (n,γ) cross-section measurements at n_TOF EAR2
RADIATION PHYSICS AND CHEMISTRY. 217(2024),
DOI: <https://doi.org/10.1016/j.radphyschem.2024.111525>

57. (n_TOF Collaboration) Alcayne, V.; ...; Bosnar, Damir; ...; Žugec, Petar
Measurement and analysis of the ²⁴⁶Cm and ²⁴⁸Cm neutron capture cross-sections at the EAR2 of the n_TOF facility at CERN
EUROPEAN PHYSICAL JOURNAL A. 60(2024), 12; 246
DOI: <https://doi.org/10.1140/epja/s10050-024-01453-w>

58. (n_TOF Collaboration) Amaducci, S.; ...; Bosnar, Damir; ...; Žugec, Petar
Measurement of the ¹⁴⁰Ce(n,γ)p Cross Section at n_TOF and Its Astrophysical Implications for the Chemical Evolution of the Universe
PHYSICAL REVIEW LETTERS. 132(2024), 12; 122701
DOI: <https://doi.org/10.1103/PhysRevLett.132.122701>

59. Anderson, Zachary W.; Spaic, Marin; Biniskos, Nikolaos; Thompson, Liam; Yu, Biqiong; Zwettler, Jack; Liu, Yaohua; Ye, Feng; Granroth, Garrett E.; Krogstad, Matthew; Osborn, Raymond; Pelc, Damjan; Greven, Martin
Nanoscale structural correlations in a model cuprate superconductor
PHYSICAL REVIEW B. 110(2024), 21; 214519
DOI: <https://doi.org/10.1103/PhysRevB.110.214519>

60. Artibani, F.; Clozza, F.; Bazzi, M.; Capoccia, C.; Clozza, A.; DE Paolis, L.; Dulski, K.; Guaraldo, C.; Iliescu, M.; Khreptak, A.; Manti, S.; Napolitano, F.; Doce, O. vazquez; Scordo, A.; Sgaramella, F.; Sirghi, F.; Spallone, A.; Cargnelli, M.; Marton, J.; Tuechler, M.; Zmeskal, J.; Abbene, L.; Buttacavoli, A.; Principato, F.; Bosnar, D.; Friscic, I.; Bragadireanu, M.; Borghi, G.; Carminati, M.; Deda, G.; Fiorini, C.; DEL Grande, R.; Iwasaki, M.; Moskal, P.; Niedzwiecki, S.; Silarski, M.; Skurzok, M.; Ohnishi, H.; Toho, K.; Sirghi, D.; Piscicchia, K.; Curceanu, C. O.
THE ODYSSEY OF KAONIC ATOMS STUDIES AT THE DAΦNE COLLIDER FROM DEAR TO SIDDHARTA-2
ACTA PHYSICA POLONICA B. 55(2024), 4; 5A2
DOI: <https://doi.org/10.5506/APhysPolB.55.5-A2>

61. Babic, Emil; Figueroa, Ignacio A.; Miksic Trontl, Vesna; Pervan, Petar; Pletikosic, Ivo; Ristic, Ramir; Salcinovic Fetic, Amra; Skoko, Zeljko; Staresinic, Damir; Valla, Tonica; Zadro, Kreso
Electronic structure-property relationship in an Al_{0.5}TiZrPdCuNi high-entropy alloy
APPLIED PHYSICS LETTERS. 124(2024), 22; 221903
DOI: <https://doi.org/10.1063/5.0201591>

62. Bakrac, Luka; Ilievski, Tomislav; Markovic, Nikola; Bosnar, Damir; Tucakovic, Ivana
Implementation and optimisation of cosmic veto system using digital electronics in an
environmental gamma-spectrometry laboratory
RADIATION MEASUREMENTS. 178(2024), 107302
DOI: <https://doi.org/10.1016/j.radmeas.2024.107302>

63. (n_TOF Collaboration) Balibrea-Correa, J.; ...; Bosnar, Damir; ...; Žugec, Petar
Towards a new generation of solid total-energy detectors for neutron-capture time-of-
flight experiments with intense neutron beams
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-
ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT.
1072(2025), 170110
DOI: <https://doi.org/10.1016/j.nima.2024.170110>

64. (n_TOF Collaboration) Balibrea-Correa, J.; ...; Bosnar, Damir; ...; Žugec, Petar
Pushing the high count rate limits of scintillation detectors for challenging neutron-capture
experiments
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-
ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT.
1064(2024), 169385
DOI: <https://doi.org/10.1016/j.nima.2024.169385>

65. Barudzija, Uros; Kamenski, Ana; Paar, Dalibor; Malvic, Tomislav
Applicability of Magnetic Susceptibility Measurements on Cave Sediments in Karst Areas
Insight from Dinaric Karst (Velebit Mt., Croatia)
APPLIED SCIENCES-BASEL. 14(2024), 16; 6973
DOI: <https://doi.org/10.3390/app14166973>

66. Benic, Sanjin; Dumitru, Adrian; Kaushik, Abhiram; Motyka, Leszek; Stebel, Tomasz
Photon-odderon interference in exclusive χc charmonium production at the Electron-Ion
Collider
PHYSICAL REVIEW D. 110(2024), 1; 14025
DOI: <https://doi.org/10.1103/PhysRevD.110.014025>

67. Benic, Sanjin; Hatta, Yoshitaka; Kaushik, Abhiram; Li, Hsiang-nan
Perturbative QCD contribution to transverse single spin asymmetries in the Drell-Yan
process and SIDIS
PHYSICAL REVIEW D. 109(2024), 7; 74038
DOI: <https://doi.org/10.1103/PhysRevD.109.074038>

68. Bermanec, Marko; Vidovic, Noa; Ma, Xiaogang; Hazen, Robert M.
The Average Symmetry Index of Minerals Co-Varies with Their Hydrogen Content, Rarity,
and Paragenetic Mode
MINERALS. 14(2024), 4; 387
DOI: <https://doi.org/10.3390/min14040387>

69. Bokulic, Ana; Franzin, Edgardo; Juric, Tajron; Smolic, Ivica
Lagrangian reverse engineering for regular black holes
PHYSICS LETTERS B. 854(2024), 138750
DOI: <https://doi.org/10.1016/j.physletb.2024.138750>

70. Bokulic, Ana; Juric, Tajron; Smolic, Ivica
Hexadecapole at the heart of nonlinear electromagnetic fields
CLASSICAL AND QUANTUM GRAVITY. 41(2024), 15; 157002
DOI: <https://doi.org/10.1088/1361-6382/ad5c34>

71. Bongiovanni, Domenico; Hu, Zhichan; Wang, Ziteng; Wang, Xiangdong; Jukic, Dario; Hu, Yi; Song, Daohong; Morandotti, Roberto; Chen, Zhigang; Buljan, Hrvoje
p-Orbital Higher-Order Topological Corner States in 2D Photonic Su-Schrieffer-Heeger Lattices
LASER & PHOTONICS REVIEWS. 18(2024), 11;
DOI: <https://doi.org/10.1002/lpor.202400638>

72. Bosnar, D.; Abbene, L.; Amsler, C.; Buttacavoli, A.; Del Grande, R.; Iliescu, M.; Napolitano, F.; Sirghi, D.; Doce, O. Vasquez; Cargnelli, M.; Dulski, K.; Iwasaki, M.; Skurzok, M.; Khreptak, A.; Fabbietti, L.; Carminati, M.; Artibani, F.; Clozza, A.; Fiorini, C.; Makek, M.; Piscicchia, K.; Silarski, M.; Curceanu, C.; Zmeskal, J.; Bazzi, M.; Clozza, F.; Friscic, I.; Manti, S.; Moskal, P.; Scordo, A.; Spallone, A.; Toho, K.; Tuechler, M.; Ohnishi, H.; Sgaramella, F.; Marton, J.; Guaraldo, C.; Deda, G.; Bragadireanu, M.; De Paolis, L.
A feasibility study of the measurement of kaonic lead X-rays at DANE for the precise determination of the charged kaon mass
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. 1069(2024), 169966
DOI: <https://doi.org/10.1016/j.nima.2024.169966>

73. Boucher, Yuki Utsumi; Bialo, Izabela; Gala, Mateusz A.; Tabis, Wojciech; Rosmus, Marcin; Olszowska, Natalia; Kolodziej, Jacek J.; Gudac, Bruno; Novak, Mario; Muniraju, Naveen Kumar Chogondahalli; Batistic, Ivo; Barisic, Neven; Popcevic, Petar; Tutis, Eduard
Intercalation-induced states at the Fermi level and the coupling of intercalated magnetic ions to conducting layers in Ni_{1/3}NbS₂
PHYSICAL REVIEW B. 109(2024), 8; 85135
DOI: <https://doi.org/10.1103/PhysRevB.109.085135>

74. Buzjak, Nenad; Gabrovsek, Franci; Persoiu, Aurel; Pennos, Christos; Paar, Dalibor; Bocic, Neven
CO₂ Emission from Caves by Temperature-Driven Air Circulation-Insights from Samograd Cave, Croatia
CLIMATE. 12(2024), 12; 199
DOI: <https://doi.org/10.3390/cli12120199>

75. (n_TOF Collaboration) Casanovas-Hoste, A.; ...; Bosnar, Damir; ...; Žugec, Petar
Shedding Light on the Origin of ^{204}Pb , the Heaviest s-Process - Only Isotope in the Solar System
PHYSICAL REVIEW LETTERS. 133(2024), 5; 52702
DOI: <https://doi.org/10.1103/PhysRevLett.133.052702>

76. Cvitan, Maro; Prester, Predrag Dominis; Giaccari, Stefano Gregorio; Paulisic, Mateo; Vukovic, Ivan
On the Particle Content of Moyal-Higher-Spin Theory
SYMMETRY-BASEL. 16(2024), 10; 1371
DOI: <https://doi.org/10.3390/sym16101371>

77. Dhimi, N. S.; Baledent, V.; Batistic, I.; Bednarchuk, O.; Kaczorowski, D.; Itie, J. P.; Shieh, S. R.; Kumar, C. M. N.; Utsumi, Y.
Synchrotron x-ray diffraction and DFT study of non-centrosymmetric EuRhGe_3 under high pressure
HIGH PRESSURE RESEARCH. 44(2024), 4; 467-478,
DOI: <https://doi.org/10.1080/08957959.2024.2396298>

78. Dorsner, Ilija; Dzaferovic-Masic, Emina; Fajfer, Svjetlana; Saad, Shaikh
Gauge and scalar boson mediated proton decay in a predictive $\text{SU}(5)$ GUT model
PHYSICAL REVIEW D. 109(2024), 7; 75023
DOI: <https://doi.org/10.1103/PhysRevD.109.075023>

79. Drewes, Marco; Georis, Yannis; Klaric, Juraj; Klose, Philipp
Upper bound on thermal gravitational wave backgrounds from hidden sectors
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. (2024), 6; 73
DOI: <https://doi.org/10.1088/1475-7516/2024/06/073>

80. Erakovic, Mihael; Cvitas, Marko T.
Tunneling splittings using modified WKB method in Cartesian coordinates
The test case of vinyl radical
JOURNAL OF CHEMICAL PHYSICS. 160(2024), 15; 154112
DOI: <https://doi.org/10.1063/5.0204986>

81. Erakovic, Mihael; Cvitas, Marko T.
Tunneling splittings in the vibrationally excited states of water trimer
PHYSICAL CHEMISTRY CHEMICAL PHYSICS. 26(2024), 17; 12965-12981,
DOI: <https://doi.org/10.1039/d4cp00013g>

82. Faulend, Bernard; Dragasevic, Jan
Tunnelling of a Composite Particle in Presence of a Magnetic Field
FEW-BODY SYSTEMS. 65(2024), 4; 93
DOI: <https://doi.org/10.1007/s00601-024-01963-9>

83. Foretic, Blazenka; Klaser, Teodoro; Ovcar, Juraj; Loncaric, Ivor; Zilic, Dijana; Santic, Ana; Stefanic, Zoran; Bjelopetrovic, Alen; Popovic, Jasminka; Picek, Igor
The Reversible Electron Transfer Within Stimuli-Responsive Hydrochromic Supramolecular Material Containing Pyridinium Oxime and Hexacyanoferrate (II) Ions
MOLECULES. 29(2024), 23; 5611
DOI: <https://doi.org/10.3390/molecules29235611>

84. (n_TOF Collaboration) García-Infantes, F.; ...; Bosnar, Damir; ...; Žugec, Petar
Measurement of the $^{176}\text{Yb}(n, \gamma)$ cross section at the n_TOF facility at CERN
PHYSICAL REVIEW C. 110(2024), 6; 64619
DOI: <https://doi.org/10.1103/PhysRevC.110.064619>

85. Gentile, Fabrizio; Talia, Margherita; Behiri, Meriem; Zamorani, Giovanni; Barchiesi, Luigi; Vignali, Cristian; Pozzi, Francesca; Bethermin, Matthieu; Enia, Andrea; Faisst, Andreas L.; Giulietti, Marika; Gruppioni, Carlotta; Lapi, Andrea; Massardi, Marcella; Smolic, Vernesa; Vaccari, Mattia; Cimatti, Andrea
Illuminating the Dark Side of Cosmic Star Formation. III. Building the Largest Homogeneous Sample of Radio-selected Dusty Star-forming Galaxies in COSMOS with PhoEBO
ASTROPHYSICAL JOURNAL. 962(2024), 1; 26
DOI: <https://doi.org/10.3847/1538-4357/ad1519>

86. Gentile, Fabrizio; Talia, Margherita; Daddi, Emanuele; Giulietti, Marika; Lapi, Andrea; Massardi, Marcella; Pozzi, Francesca; Zamorani, Giovanni; Behiri, Meriem; Enia, Andrea; Bethermin, Matthieu; Dallacasa, Daniele; Delvecchio, Ivan; Faisst, Andreas L.; Gruppioni, Carlotta; Loiacono, Federica; Traina, Alberto; Vaccari, Mattia; Vallini, Livia; Vignali, Cristian; Smolic, Vernesa; Cimatti, Andrea
Dark progenitors and massive descendants
A first ALMA perspective of radio-selected near-IR-dark galaxies in the COSMOS field
ASTRONOMY & ASTROPHYSICS. 687(2024), A288
DOI: <https://doi.org/10.1051/0004-6361/202348623>

87. Ghosh, T.; Sangeeta; Maheshwari, B.; Saxena, G.; Agrawal, B. K.
Indispensability of cross-shell contributions in neutron resonance spacing
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. 51(2024), 4; 45105
DOI: <https://doi.org/10.1088/1361-6471/ad29e9>

88. Gluncic, Matko; Baric, Domjan; Paar, Vladimir
Efficient genome monomer higher-order structure annotation and identification using the GRMhor algorithm
BIOINFORMATICS ADVANCES. 4(2024), 1; vbae191
DOI: <https://doi.org/10.1093/bioadv/vbae191>

89. Gluncic, Matko; Vlahovic, Ines; Rosandic, Marija; Paar, Vladimir
Precise identification of cascading alpha satellite higher order repeats in T2T-CHM13 assembly of human chromosome 3
CROATIAN MEDICAL JOURNAL. 65(2024), 3; 209-219,
DOI: <https://doi.org/10.3325/cmj.2024.65.209>

90. Gluncic, Matko; Vlahovic, Ines; Rosandic, Marija; Paar, Vladimir
Novel Cascade Alpha Satellite HORs in Orangutan Chromosome 13 Assembly
Discovery of the 59mer HOR-The largest Unit in Primates-And the Missing Triplet 45/27/18 HOR in Human T2T-CHM13v2.0 Assembly
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 25(2024), 14; 7596
DOI: <https://doi.org/10.3390/ijms25147596>

91. Gluncic, Matko; Vlahovic, Ines; Rosandic, Marija; Paar, Vladimir
Novel Concept of Alpha Satellite Cascading Higher-Order Repeats (HORs) and Precise Identification of 15mer and 20mer Cascading HORs in Complete T2T-CHM13 Assembly of Human Chromosome 15
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 25(2024), 8; 4395
DOI: <https://doi.org/10.3390/ijms25084395>

92. Golenic, Neven; de Gironcoli, Stefano; Despoja, Vito
Optically driven plasmons in graphene/hBN van der Waals heterostructures simulating s-SNOM measurements
NANOPHOTONICS. 13(2024), 15; 2765-2780,
DOI: <https://doi.org/10.1515/nanoph-2023-0841>

93. Golenic, Neven; de Gironcoli, Stefano; Despoja, Vito
Tailored plasmon polariton landscape in graphene/boron nitride patterned heterostructures
NPJ 2D MATERIALS AND APPLICATIONS. 8(2024), 1; 37
DOI: <https://doi.org/10.1038/s41699-024-00469-6>

94. Golik, Bruno; Jukic, Dario; Buljan, Hrvoje
Theory of Classical Electrodynamics with Topologically Quantized Singularities as Electric Charges
LASER & PHOTONICS REVIEWS. 19(2025), 2;
DOI: <https://doi.org/10.1002/lpor.202400217>

95. Gorelik, L. Y.; Kulinich, S. I.; Shekhter, R. I.; Radic, D.
Creation of two-dimensional circular motion of charge qubit
LOW TEMPERATURE PHYSICS. 50(2024), 12; 1157-1161,
DOI: <https://doi.org/10.1063/10.0034369>

96. Herceg, Nikola; Juric, Tajron; Samsarov, Andjelo; Smolic, Ivica
Metric perturbations in noncommutative gravity
JOURNAL OF HIGH ENERGY PHYSICS. (2024), 6; 130
DOI: [https://doi.org/10.1007/JHEP06\(2024\)130](https://doi.org/10.1007/JHEP06(2024)130)

97. Herceg, Nikola; Juric, Tajron; Samsarov, Andjelo; Smolic, Ivica; Gupta, Kumar S.
Gravitational probe of quantum spacetime
PHYSICS LETTERS B. 854(2024), 138716
DOI: <https://doi.org/10.1016/j.physletb.2024.138716>

98. Hingu, Akash; Mukherjee, S.; Parashari, Siddharth; Sangeeta, Arora; Gandhi, A.;
Upadhyay, Mahima; Choudhary, Mahesh; Bamal, Sumit; Singh, Namrata; Mishra, G.; De,
Sukanya; Sood, Saurav; Prasad, Sajin; Saxena, G.; Kumar, Ajay; Thomas, R. G.;
Agrawal, B. K.; Katovsky, K.; Kumar, A.
Investigation of ^{58}Ni (n, p) ^{58}Co reaction cross-section with covariance analysis
CHINESE PHYSICS C. 48(2024), 2; 24001
DOI: <https://doi.org/10.1088/1674-1137/ad0e5a>

99. CLAS Collaboration) Hobart, A.; Niccolai, S.; Cuic, M.; Kumericki, K.; Achenbach, P.;
Alvarado, J. S.; Armstrong, W. R.; Atac, H.; Avakian, H.; Baashen, L.; Baltzell, N. A.;
Barion, L.; Bashkanov, M.; Battaglieri, M.; Benkel, B.; Benmokhtar, F.; Bianconi, A.;
Biselli, A. S.; Boiarinov, S.; Bondi, M.; Booth, W. A.; Bossu, F.; Brinkmann, K. -Th.;
Briscoe, W. J.; Brooks, W. K.; Bueltmann, S.; Burkert, V. D.; Cao, T.; Capobianco, R.;
Carman, D. S.; Chatagnon, P.; Ciullo, G.; Cole, P. L.; Contalbrigo, M.; D'Angelo, A.;
Dashyan, N.; De Vita, R.; Defurne, M.; Deur, A.; Diehl, S.; Dilks, C.; Djalali, C.; Dupre, R.;
Egiyan, H.; El Alaoui, A.; El Fassi, L.; Elouadrhiri, L.; Fegan, S.; Filippi, A.; Fogler, C.;
Gates, K.; Gavalian, G.; Gilfoyle, G. P.; Glazier, D.; Gothe, R. W.; Gotra, Y.; Guidal, M.;
Hafidi, K.; Hakobyan, H.; Hattawy, M.; Hauenstein, F.; Heddle, D.; Holtrop, M.; Ilieva, Y.;
Ireland, D. G.; Isupov, E. L.; Jiang, H.; Jo, H. S.; Joo, K.; Kageya, T.; Kim, A.; Kim, W.;
Klimenko, V.; Kripko, A.; Kubarovsky, V.; Kuhn, S. E.; Lanza, L.; Leali, M.; Lee, S.;
Lenisa, P.; Li, X.; MacGregor, I. J. D.; Marchand, D.; Mascagna, V.; Maynes, M.;
McKinnon, B.; Meziani, Z. E.; Migliorati, S.; Milner, R. G.; Mineeva, T.; Mirazita, M.;
Moiseev, V.; Camacho, C. Munoz; Nadel-Turonski, P.; Naidoo, P.; Neupane, K.;
Niculescu, G.; Osipenko, M.; Pandey, P.; Paolone, M.; Pappalardo, L. L.; Paremuzyan,
R.; Pasyuk, E.; Paul, S. J.; Phelps, W.; Pilleux, N.; Pokhrel, M.; Rafael, S. Polcher;
Poudel, J.; Price, J. W.; Prok, Y.; Reed, T.; Richards, J.; Ripani, M.; Ritman, J.; Rossi, P.;
Golubenko, A. A.; Salgado, C.; Schandmand, S.; Schmidt, A.; Scott, Marshall B. C.;
Seroka, E. M.; Sharabian, Y. G.; Shirokov, E. V.; Shrestha, U.; Sparveris, N.; Spreafico,
M.; Stepanyan, S.; Strakovsky, I. I.; Strauch, S.; Tan, J. A.; Trotta, N.; Tyson, R.; Ungaro,
M.; Vallarino, S.; Venturelli, L.; Tommaso, V.; Voskanyan, H.; Voutier, E.; Watts, D. P.;
Wei, X.; Williams, R.; Wood, M. H.; Xu, L.; Zachariou, N.; Zhang, J.; Zhao, Z. W.; Zurek, M.
First Measurement of Deeply Virtual Compton Scattering on the Neutron with Detection
of the Active Neutron
PHYSICAL REVIEW LETTERS. 133(2024), 21; 211903
DOI: <https://doi.org/10.1103/PhysRevLett.133.211903>

100. Hu, Zhichan; Bongiovanni, Domenico; Wang, Ziteng; Wang, Xiangdong; Song, Daohong; Xu, Jingjun; Morandotti, Roberto; Buljan, Hrvoje; Chen, Zhigang
Topological orbital angular momentum extraction and twofold protection of vortex transport
NATURE PHOTONICS. 19(2025), 2;
DOI: <https://doi.org/10.1038/s41566-024-01564-2>

101. Ignesti, Alessandro; Brunetti, Gianfranco; Gullieuszik, Marco; Akerman, Nina; Marasco, Antonino; Poggianti, Bianca M.; Li, Yuan; Vulcani, Benedetta; Gitti, Myriam; Moretti, Alessia; Giunchi, Eric; Tomicic, Neven; Bacchini, Cecilia; Paladino, Rosita; Radovich, Mario; Wolter, Anna
Investigating the Intracluster Medium Viscosity Using the Tails of GASP Jellyfish Galaxies
ASTROPHYSICAL JOURNAL. 977(2024), 2; 219
DOI: <https://doi.org/10.3847/1538-4357/ad919b>

102. Kaur, Amandeep; Yuksel, Esra; Paar, Nils
Finite-temperature effects in magnetic dipole transitions
PHYSICAL REVIEW C. 109(2024), 2; 24305
DOI: <https://doi.org/10.1103/PhysRevC.109.024305>

103. Kaur, Amandeep; Yuksel, Esra; Paar, Nils
Electric dipole transitions in the relativistic quasiparticle random-phase approximation at finite temperature
PHYSICAL REVIEW C. 109(2024), 1; 14314
DOI: <https://doi.org/10.1103/PhysRevC.109.014314>

104. Kemp, Alex; Tkachenko, Andrew; Torres, Guillermo; Pavlovski, Kresimir; Ijspeert, Luc; Serebriakova, Nadya; Conroy, Kyle; Van Reeth, Timothy; Latham, David; Prsa, Andrej; Aerts, Conny
KIC 4150611
A quadruply eclipsing heptuple star system with a g-mode period-spacing pattern Eclipse modelling of the triple and spectroscopic analysis
ASTRONOMY & ASTROPHYSICS. 689(2024), A164
DOI: <https://doi.org/10.1051/0004-6361/202450390>

105. Khayr, Issam; Hameed, Sajna; Budic, Jakov; He, Xing; Spieker, Richard; Najev, Ana; Zhao, Zinan; Yue, Li; Krogstad, Matthew; Ye, Feng; Liu, Yaohua; Osborn, Raymond; Rosenkranz, Stephan; Li, Yuan; Pelc, Damjan; Greven, Martin
Structural properties of plastically deformed SrTiO₃ and KTaO₃
PHYSICAL REVIEW MATERIALS. 8(2024), 12; 124404
DOI: <https://doi.org/10.1103/PhysRevMaterials.8.124404>

106. Kisicek, Virna; Dominko, Damir; Culo, Matija; Rapljenovic, Zeljko; Kuvezdic, Marko; Dragicevic, Martina; Berger, Helmuth; Rocquefelte, Xavier; Herak, Mirta; Ivek, Tomislav
Spin-Reorientation-Driven Linear Magnetoelectric Effect in Topological Antiferromagnet Cu₃TeO₆
PHYSICAL REVIEW LETTERS. 132(2024), 9; 96701
DOI: <https://doi.org/10.1103/PhysRevLett.132.096701>

107. (A1 Collaboration) Kolar, T.; Cosyn, W.; Giusti, C.; Achenbach, P.; Ashkenazi, A.; Boehm, R.; Bosnar, D.; Brecelj, T.; Christmann, M.; Cohen, E. O.; Distler, M. O.; Doria, L.; Eckert, P.; Esser, A.; Geimer, J.; Gilman, R.; Guelker, P.; Hoek, M.; Izraeli, D.; Kegel, S.; Klag, P.; Korover, I.; Lichtenstadt, J.; Littich, M.; Manoussos, T.; Mardor, I.; Markus, D.; Merkel, H.; Mihovilovic, M.; Mueller, J.; Mueller, U.; Olivenboim, M.; Paetschke, J.; Paul, S. J.; Piasetzky, E.; Plura, S.; Pochodzalla, J.; Pozun, M.; Ron, G.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirca, S.; Spreckels, R.; Stajner, S.; Stengel, S.; Stephan, E.; Stoettinger, Y.; Strauch, S.; Szyszka, C.; Thiel, M.; Weber, A.; Wilczek, A.; Yaron, I.
Nuclear density dependence of polarization transfer in quasi-elastic $A((e)\overrightarrow{\text{right-arrow}}, e'(p)\overrightarrow{\text{right-arrow}})$ reactions
PHYSICAL REVIEW C. 110(2024), 6; L061302
DOI: <https://doi.org/10.1103/PhysRevC.110.L061302>

108. Kozuljevic, Ana Marija; Bokulic, Tomislav; Grosev, Darko; Kuncic, Zdenka; Parashari, Siddharth; Pavelic, Luka; Makek, Mihael
Investigation of the spatial resolution of PET imaging system measuring polarization-correlated Compton events
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. 1068(2024), 169795
DOI: <https://doi.org/10.1016/j.nima.2024.169795>

109. Kupcic, I.; Kordic, J.
Optical conductivity of anisotropic Dirac semimetals
The relaxation-time approximation
PHYSICAL REVIEW B. 109(2024), 4; 45426
DOI: <https://doi.org/10.1103/PhysRevB.109.045426>

110. Labetic, Andrea; Klaser, Teodoro; Skoko, Zeljko; Jakovac, Marko; Zic, Mark
Flexural Strength and Morphological Study of Different Multilayer Zirconia Dental Materials
MATERIALS. 17(2024), 5; 1143
DOI: <https://doi.org/10.3390/ma17051143>

111. Lei, Sihong; Xia, Shiqi; Song, Daohong; Xu, Jingjun; Buljan, Hrvoje; Chen, Zhigang
Optical vortex ladder via Sisyphus pumping of Pseudospin
NATURE COMMUNICATIONS. 15(2024), 1; 7693
DOI: <https://doi.org/10.1038/s41467-024-52070-6>
112. Li, B.; Vretenar, D.; Niksic, T.; Zhang, D. D.; Zhao, P. W.; Meng, J.
Entanglement in multinucleon transfer reactions
PHYSICAL REVIEW C. 110(2024), 3; 34611
DOI: <https://doi.org/10.1103/PhysRevC.110.034611>
113. Li, B.; Vretenar, D.; Niksic, T.; Zhao, J.; Zhao, P. W.; Meng, J.
Generalized time-dependent generator coordinate method for induced fission dynamics
FRONTIERS OF PHYSICS. 19(2024), 4; 44201
DOI: <https://doi.org/10.1007/s11467-023-1381-4>
114. Li, B.; Vretenar, D.; Niksic, T.; Zhao, P. W.; Meng, J.
Time-dependent density functional theory study of induced-fission dynamics of ^{226}Th
PHYSICAL REVIEW C. 110(2024), 3; 34302
DOI: <https://doi.org/10.1103/PhysRevC.110.034302>
115. Lotina, L.; Nomura, K.
Microscopic description of hexadecapole collectivity in even-even rare-earth nuclei near $N = 90$
PHYSICAL REVIEW C. 109(2024), 4; 44324
DOI: <https://doi.org/10.1103/PhysRevC.109.044324>
116. Lotina, L.; Nomura, K.
Impacts of hexadecapole deformations on the collective energy spectra of axially deformed nuclei
PHYSICAL REVIEW C. 109(2024), 3; 34304
DOI: <https://doi.org/10.1103/PhysRevC.109.034304>
117. Lozancic, Ana; Burazer, Sanja; Senjug, Pavla; Renka, Sanja; Molcanov, Kresimir; Pajic, Damir; Dubraja, Lidija Andros; Juric, Marijana
Facile one-step preparation of Co_2CrO_4 spinel from heterometallic compounds - Structural, magnetic, electrical and photocatalytic studies
JOURNAL OF ALLOYS AND COMPOUNDS. 986(2024), 174087
DOI: <https://doi.org/10.1016/j.jallcom.2024.174087>
118. Maheshwari, Bhoomika; Jain, Ashok Kumar
Nuclear isomers at the extremes of their properties
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. 233(2024), 5; 1101-1111,
DOI: <https://doi.org/10.1140/epjs/s11734-024-01133-2>

119. Maheshwari, Bhoomika; Nomura, Kosuke
Weakening of N=28 shell gap and the nature of 02+ states
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. 51(2024), 9; 95101
DOI: <https://doi.org/10.1088/1361-6471/ad6170>

120. Marijan, Sara; Klaser, Teodoro; Miroslavljivic, Marija; Mosner, Petr; Koudelka, Ladislav; Skoko, Zeljko; Pisk, Jana; Pavic, Luka
Exploring the Effect of V2O5 and Nb2O5 Content on the Structural, Thermal, and Electrical Characteristics of Sodium Phosphate Glasses and Glass-Ceramics
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 25(2024), 5; 3005
DOI: <https://doi.org/10.3390/ijms25053005>

121. Marijan, Sara; Razum, Marta; Kerhac, Kristina Sklepica; Mosner, Petr; Koudelka, Ladislav; Pisk, Jana; Mogus-Milankovic, Andrea; Skoko, Zeljko; Pavic, Luka
The Crystallization Behavior of a Na2O-GeO2-P2O5 Glass System
A (Micro)Structural, Electrical, and Dielectric Study
MATERIALS. 17(2024), 2; 306
DOI: <https://doi.org/10.3390/ma17020306>

122. Mihovilovic, M.; Doria, L.; Achenbach, P.; Ankowski, A. M.; Bacca, S.; Bosnar, D.; Denig, A.; Distler, M. O.; Esser, A.; Friscic, I.; Giusti, C.; Hoek, M.; Kegel, S.; Littich, M.; Megias, G. D.; Merkel, H.; Mueller, U.; Pochodzalla, J.; Schlimme, B. S.; Schoth, M.; Sfienti, C.; Sirca, S.; Sobczyk, J. E.; Stoettinger, Y.; Thiel, M.
Measurement of the $1/2C(e,e')$ Cross Sections at $Q^2=0.8 \text{ GeV}^2/c^2$
FEW-BODY SYSTEMS. 65(2024), 3; 78
DOI: <https://doi.org/10.1007/s00601-024-01944-y>

123. Mikelic, Ivanka Lovrencic; Ernecic, Gorana; Barisic, Delko
Natural and anthropogenic radionuclides in soil around coal-fired Plomin thermal power plant (Istria, Croatia)
What is the plant influence and what controls it?
FUEL. 371(2024), 131971
DOI: <https://doi.org/10.1016/j.fuel.2024.131971>

124. Milic, Mirjana M.; Orsini, Natasa Jovic; Pozek, Miroslav
Evaluating PVP coated iron oxide particles for localized magnetic hyperthermia and MRI imaging
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. 130(2024), 5; 275
DOI: <https://doi.org/10.1007/s00339-024-07452-4>

125. Mitrovic, Darko; Novak, Andrej
Navigating the Complex Landscape of Shock Filter Cahn-Hilliard Equation
From Regularized to Entropy Solutions
ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS. 248(2024), 6; 105
DOI: <https://doi.org/10.1007/s00205-024-02057-w>

126. Najev, A.; Hameed, S.; Alfonsov, A.; Kataev, V.; Pozek, M.; Pelc, D.
Magnetic resonance study of rare-earth titanates
PHYSICAL REVIEW B. 109(2024), 17; 174406
DOI: <https://doi.org/10.1103/PhysRevB.109.174406>

127. Napolitano, F.; Abbene, L.; Artibani, F.; Bazzi, M.; Borghi, G.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Carminati, M.; Cargnelli, M.; Clozza, A.; Clozza, F.; Deda, G.; DE Paolis, L.; DEL Grande, R.; Dulski, K.; Fiorini, C.; Friscic, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Moskal, P.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Principato, F.; Scordo, A.; Sgaramella, F.; Sirghi, D.; Sirghi, F.; Skurzok, M.; Silarski, M.; Spallone, A.; Toho, K.; Toscano, L. G.; Tuechler, M.; Doce, O. vazquez; Zmeskal, J.; Curceanu, C.
Kaonic Atoms with the SIDDHARTA-2 Experiment at DAΦNE
ACTA PHYSICA POLONICA A. 146(2024), 5;
DOI: <https://doi.org/10.12693/APhysPolA.146.669>

128. Nasrallah, S.; Santos-Cottin, D.; Le Mardele, F.; Mohelsky, I.; Wyzula, J.; Aksamovic, L.; Sacer, P.; Barrett, J. W. H.; Galloway, W.; Rigaux, K.; Guo, F.; Puppini, M.; Zivkovic, I.; Dil, J. H.; Novak, M.; Homes, C. C.; Orlita, M.; Barisic, N.; Akrap, Ana
Magneto-optical response of the magnetic semiconductors EuCd₂X₂ (X=P, As, Sb)
PHYSICAL REVIEW B. 110(2024), 20; L201201
DOI: <https://doi.org/10.1103/PhysRevB.110.L201201>

129. Nowakowska, Marta; Jakesova, Marie; Schmidt, Tony; Opancar, Aleksandar; Polz, Mathias; Reimer, Robert; Fuchs, Julia; Patz, Silke; Ziesel, Daniel; Scheruebel, Susanne; Kornmueller, Karin; Rienmueller, Theresa; Derek, Vedran; Glowacki, Eric D.; Schindl, Rainer; Uecal, Muammer
Light-Controlled Electric Stimulation with Organic Electrolytic Photocapacitors Achieves Complex Neuronal Network Activation
Semi-Chronic Study in Cortical Cell Culture and Rat Model
ADVANCED HEALTHCARE MATERIALS. 13(2024), 29;
DOI: <https://doi.org/10.1002/adhm.202401303>

130. (JLab Hypernuclear Collaboration) Okuyama, K.; Itabashi, K.; Nagao, S.; Nakamura, S. N.; Suzuki, K. N.; Gogami, T.; Pandey, B.; Tang, L.; Bydzovsky, P.; Skoupil, D.; Mart, T.; Abrams, D.; Akiyama, T.; Androic, D.; Aniol, K.; Gayoso, C. Ayerbe; Bane, J.; Barcus, S.; Barrow, J.; Bellini, V.; Bhatt, H.; Bhetuwal, D.; Biswas, D.; Camsonne, A.; Castellanos, J.; Chen, J. -P.; Chen, J.; Covrig, S.; Chrisman, D.; Cruz-Torres, R.; Das, R.; Fuchey, E.; Gnanvo, K.; Garibaldi, F.; Gautam, T.; Gomez, J.; Gueye, P.; Hague, T. J.; Hansen, O.; Henry, W.; Hauenstein, F.; Higinbotham, D. W.; Hyde, C. E.; Kaneta, M.; Keppel, C.; Kutz, T.; Lashley-Colthirst, N.; Li, S.; Liu, H.; Mammei, J.; Markowitz, P.; McClellan, R. E.; Meddi, F.; Meekins, D.; Michaels, R.; Mihovilovic, M.; Moyer, A.; Nguyen, D.; Nycz, M.; Owen, V.; Palatchi, C.; Park, S.; Petkovic, T.; Premathilake, S.; Reimer, P. E.; Reinhold, J.; Riordan, S.; Rodriguez, V.; Samanta, C.; Santiesteban, S. N.; Sawatzky, B.; Sirca, S.; Slifer, K.; Su, T.; Tian, Y.; Toyama, Y.; Uehara, K.; Urciuoli, G. M.; Votaw, D.; Williamson, J.; Wojtsekhowski, B.; Wood, S. A.; Yale, B.; Ye, Z.; Zhang, J.; Zheng, X.
Electroproduction of the Λ/Σ^0 hyperons at $Q^2 \approx 0.5$ (GeV/c)² at forward angles
PHYSICAL REVIEW C. 110(2024), 2; 25203
DOI: <https://doi.org/10.1103/PhysRevC.110.025203>

131. Opancar, Aleksandar; Glowacki, Eric Daniel; Derek, Vedran
Choosing the right electrode representation for modeling real bioelectronic interfaces
a comprehensive guide
JOURNAL OF NEURAL ENGINEERING. 21(2024), 4; 46049
DOI: <https://doi.org/10.1088/1741-2552/ad6a8b>

132. Paar, N.; Yuksel, E.
Nuclear energy density functionals constrained by collective nuclear excitations and
parity violating electron scattering experiments
NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. 47(2024),
2; 50
DOI: <https://doi.org/10.1393/ncc/i2024-24050-y>

133. Palcic, Ana; Bosnar, Damir; Hrsak, Patricija; Bronic, Josip; Bosnar, Sanja
Comparative analysis of parent and modified ZSM-5 zeolites
Insights from positron annihilation lifetime spectroscopy
RADIATION PHYSICS AND CHEMISTRY. 223(2024), 111919
DOI: <https://doi.org/10.1016/j.radphyschem.2024.111919>

134. Parashari, Siddharth; Bosnar, Damir; Friscic, Ivica; Kozuljevic, Ana Marija; Kuncic,
Zdenka; Zugec, Petar; Makek, Mihael
Closing the door on the puzzle of decoherence of annihilation quanta
PHYSICS LETTERS B. 852(2024), 138628
DOI: <https://doi.org/10.1016/j.physletb.2024.138628>

135. Paut, Andrea; Guc, Lucija; Vrankic, Martina; Crncevic, Doris; Senjug, Pavla; Pajic, Damir; Odzak, Renata; Sprung, Matilda; Nakic, Kristian; Marcus, Marijan; Prkic, Ante; Mitar, Ivana
Plant-Mediated Synthesis of Magnetite Nanoparticles with Matricaria chamomilla Aqueous Extract
NANOMATERIALS. 14(2024), 8; 729
DOI: <https://doi.org/10.3390/nano14080729>

136. (n_TOF Collaboration) Perkowski, J.; ...; Bosnar, Damir; ...; Žugec, Petar
Multi-section fission ionization chamber for measurement of $^{239}\text{Pu}(n, \gamma)$ reaction in fission tagging method
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. 1067(2024), 169649
DOI: <https://doi.org/10.1016/j.nima.2024.169649>

137. Pisk, Jana; Marijan, Sara; Klaser, Teodoro; Mosner, Petr; Koudelka, Ladislav; Agustin, Dominique; Skoko, Zeljko; Pavic, Luka
Peculiar catalytic properties of oxide glass-(ceramics) in epoxidation reactions
JOURNAL OF NON-CRYSTALLINE SOLIDS. 626(2024), 122780
DOI: <https://doi.org/10.1016/j.jnoncrysol.2023.122780>

138. Planinic, Maja; Jelacic, Katarina; Cvenic, Karolina Matejak; Susac, Ana; Ivanjek, Lana
Effect of an inquiry-based teaching sequence on secondary school students' understanding of wave optics
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. 20(2024), 1; 10156
DOI: <https://doi.org/10.1103/PhysRevPhysEducRes.20.010156>

139. Potterveld, D. H.; Filippone, B. W.; Holt, R. J.; Friscic, I.
 $^{16}\text{O}(e, e'\alpha)^{12}\text{C}$ measurements and the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ astrophysical reaction rate
PHYSICAL REVIEW C. 110(2024), 3; 35809
DOI: <https://doi.org/10.1103/PhysRevC.110.035809>

140. Radic, D.; Gorelik, L. Y.; Kulinich, S. I.; Shekhter, R. I.
Nanomechanical manipulation of superconducting charge-qubit quantum networks
PHYSICA B-CONDENSED MATTER. 684(2024), 415988
DOI: <https://doi.org/10.1016/j.physb.2024.415988>

141. Ravlic, A.; Niksic, T.; Niu, Y. F.; Ring, P.; Paar, N.
Axially deformed relativistic quasiparticle random-phase approximation based on point-coupling interactions
PHYSICAL REVIEW C. 110(2024), 2; 24323
DOI: <https://doi.org/10.1103/PhysRevC.110.024323>

142. Ravlic, Ante; Yuksel, Esra; Niksic, Tamara; Paar, Nils
Global properties of nuclei at finite-temperature within the covariant energy density functional theory
PHYSICAL REVIEW C. 109(2024), 1; 14318
DOI: <https://doi.org/10.1103/PhysRevC.109.014318>

143. Razum, Marta; Pavic, Luka; Pajic, Damir; Pisk, Jana; Mosner, Petr; Koudelka, Ladislav; Santic, Ana
Structure-polaronic conductivity relationship in vanadate-phosphate glasses
JOURNAL OF THE AMERICAN CERAMIC SOCIETY. 107(2024), 9; 5866-5880
DOI: <https://doi.org/10.1111/jace.19911>

144. Rienmuller, Theresa; Shrestha, Niroj; Polz, Mathias; Stoppacher, Sara; Ziesel, Daniel; Migliaccio, Ludovico; Pelzmann, Brigitte; Lang, Petra; Zorn-Pauly, Klaus; Langthaler, Sonja; Opancar, Aleksandar; Baumgartner, Christian; Ucal, Muammer; Schindl, Rainer; Derek, Vedran; Scheruebel, Susanne
Shedding Light on Cardiac Excitation
In Vitro and In Silico Analysis of Native Ca²⁺ Channel Activation in Guinea Pig Cardiomyocytes Using Organic Photovoltaic Devices
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING. 71(2024), 6; 1980-1992,
DOI: <https://doi.org/10.1109/TBME.2024.3358240>

145. Roberts, I. D.; van Weeren, R. J.; de Gasperin, F.; Botteon, A.; Edler, H. W.; Ignesti, A.; Matijevic, L.; Tomicic, N.
A 100 kpc ram pressure tail trailing the group galaxy NGC 2276
ASTRONOMY & ASTROPHYSICS. 689(2024), A22
DOI: <https://doi.org/10.1051/0004-6361/202450672>

146. Rosandic, Marija; Paar, Vladimir
Maximal Genetic Code Symmetry Is a Physicochemical Purine-Pyrimidine Symmetry Language for Transcription and Translation in the Flow of Genetic Information from DNA to Proteins
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 25(2024), 17; 9543
DOI: <https://doi.org/10.3390/ijms25179543>

147. Rukelj, Zoran; Kupcic, Ivan; Radic, Danko
Density of States in the 3D System with Semimetallic Nodal-Loop and Insulating Gapped Phase
SYMMETRY-BASEL. 16(2024), 1; 38
DOI: <https://doi.org/10.3390/sym16010038>

148. Rukelj, Zoran; Losic, Zeljana Bonacic; Kupcic, Ivan; Akrap, Ana
Charge transport in two-dimensional system with massless Mexican-hat-like bands
PHYSICA B-CONDENSED MATTER. 695(2024), 416590
DOI: <https://doi.org/10.1016/j.physb.2024.416590>

149. (Jefferson Lab Hall A Collaborat) Santiesteban, S. N.; Li, S.; Abrams, D.; Alsalmi, S.; Androic, D.; Aniol, K.; Arrington, J.; Averett, T.; Gayoso, C. Ayerbe; Bane, J.; Barcus, S.; Barrow, J.; Beck, A.; Bellini, V.; Bhatt, H.; Bhetuwal, D.; Biswas, D.; Camsonne, A.; Castellanos, J.; Chen, J.; Chen, J. -p.; Chrisman, D.; Christy, M. E.; Clarke, C.; Covrig, S.; Cruz-Torres, R.; Day, D.; Dutta, D.; Fuchey, E.; Gal, C.; Garibaldi, F.; Gautam, T. N.; Gogami, T.; Gomez, J.; Gueye, P.; Hague, T. J.; Hansen, J. O.; Hauenstein, F.; Henry, W.; Higinbotham, D. W.; Holt, R. J.; Hyde, C.; Itabashi, K.; Kaneta, M.; Karki, A.; Katramatou, A. T.; Keppel, C. E.; King, P. M.; Kurbany, L.; Kutz, T.; Lashley-Colthirst, N.; Li, W. B.; Liu, H.; Liyanage, N.; Long, E.; Lovato, A.; Mammei, J.; Markowitz, P.; McClellan, R. E.; Meddi, F.; Meekins, D.; Michaels, R.; Mihovilovic, M.; Moyer, A.; Nagao, S.; Nguyen, D.; Nycz, M.; Olson, M.; Ou, L.; Owen, V.; Palatchi, C.; Pandey, B.; Papadopoulou, A.; Park, S.; Petkovic, T.; Premathilake, S.; Punjabi, V.; Ransome, R. D.; Reimer, P. E.; Reinhold, J.; Riordan, S.; Rocco, N.; Rodriguez, V. M.; Schmidt, A.; Schmookler, B.; Segarra, E. P.; Shahinyan, A.; Sirca, S.; Slifer, K.; Solvignon, P.; Su, T.; Suleiman, R.; Tang, L.; Tian, Y.; Tireman, W.; Tortorici, F.; Toyama, Y.; Uehara, K.; Urciuoli, G. M.; Votaw, D.; Williamson, J.; Wojtsekhowski, B.; Wood, S.; Ye, Z. H.; Zhang, J.; Zheng, X.
 Novel Measurement of the Neutron Magnetic Form Factor from A=3 Mirror Nuclei
 PHYSICAL REVIEW LETTERS. 132(2024), 16; 162501
 DOI: <https://doi.org/10.1103/PhysRevLett.132.162501>

150. Saxena, G.; Sharma, P. K.; Saxena, Prafulla
 A global study of α -clusters decay in heavy and superheavy nuclei with half-life and preformation factor
 EUROPEAN PHYSICAL JOURNAL A. 60(2024), 3; 50
 DOI: <https://doi.org/10.1140/epja/s10050-024-01259-w>

151. Scordo, A.; Abbene, L.; Artibani, F.; Bazzi, M.; Bettelli, M.; Bosnar, D.; Borghi, G.; Bragadireanu, M.; Buttacavoli, A.; Cargnelli, M.; Carminati, M.; Clozza, A.; Clozza, F.; De Paolis, L.; Deda, G.; Del Grande, R.; Fabbietti, L.; Fiorini, C.; Friscic, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Principato, F.; Sada, Y.; Sgaramella, F.; Silarski, M.; Sirghi, D. L.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Tuchler, M.; Yoshida, C.; Zappettini, A.; Zmeskal, J.; Curceanu, C.
 CdZnTe detectors tested at the DAΦN E collider for future kaonic atoms measurements
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. 1060(2024), 169060
 DOI: <https://doi.org/10.1016/j.nima.2023.169060>

152. Sgaramella, F.; Abbene, L.; Amsler, C.; Artibani, F.; Bazzi, M.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Cargnelli, M.; Carminati, M.; Clozza, A.; Clozza, F.; Deda, G.; Del Grande, R.; De Paolis, L.; Dulski, K.; Fabbietti, L.; Fiorini, C.; Friscic, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Principato, F.; Scordo, A.; Silarski, M.; Sirghi, D.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Tuechler, M.; Doce, O. Vazquez; Zmeskal, J.; Curceanu, C.
The SIDDHARTA-2 experiment for high precision kaonic atoms X-ray spectroscopy at DAΦNE
NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. 47(2024), 5; 285
DOI: <https://doi.org/10.1393/ncc/i2024-24285-6>

153. Sgaramella, F.; Sirghi, D.; Abbene, L.; Artibani, F.; Bazzi, M.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Cargnelli, M.; Carminati, M.; Clozza, A.; Clozza, F.; Deda, G.; Del Grande, R.; De Paolis, L.; Dulski, K.; Fabbietti, L.; Fiorini, C.; Friscic, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Miliucci, M.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Principato, F.; Scordo, A.; Silarski, M.; Sirghi, F.; Skurzok, M.; Spallone, A.; Tuechler, M.; Toho, K.; Vazquez Doce, O.; Yoshida, C.; Zmeskal, J.; Curceanu, C.
First measurement of kaonic helium-4 M-series transitions
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. 51(2024), 5; 55103
DOI: <https://doi.org/10.1088/1361-6471/ad34ea>

154. Sirghi, F.; Iliescu, M.; Abbene, L.; Amsler, C.; Bazzi, M.; Borghi, G.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Carminati, M.; Cargnelli, M.; Clozza, A.; Deda, G.; De Paolis, L.; Del Grande, R.; Dulski, K.; Fabbietti, L.; Fiorini, C.; Friscic, I.; Guaraldo, C.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Principato, F.; Scordo, A.; Sgaramella, F.; Sirghi, D.; Skurzok, M.; Silarski, M.; Spallone, A.; Toho, K.; Toscano, L.; Tuechler, M.; Doce, O. Vazquez; Zmeskal, J.; Curceanu, C.
SIDDHARTA-2 apparatus for kaonic atoms research on the DAΦNE collider
JOURNAL OF INSTRUMENTATION. 19(2024), 11; P11006
DOI: <https://doi.org/10.1088/1748-0221/19/11/P11006>

155. Slaus, B.; Smolicic, V.; Ivezić, Z.; Fotopoulou, S.; Willott, C. J.; Pendo, P.; Vignali, C.; Chiappetti, L.; Pierre, M.
The XXL survey LII. The evolution of radio AGN LF determined via parametric methods from GMRT, ATCA, VLA, and Cambridge interferometer observations
ASTRONOMY & ASTROPHYSICS. 684(2024), A19
DOI: <https://doi.org/10.1051/0004-6361/202346947>

156. Sologub, Oksana; Salamakha, Leonid P.; Stoeger, Berthold; Mori, Takao; Barisic, Neven; Rogl, Peter F.; Michor, Herwig; Bauer, Ernst
Crystal structures, bonding and electronic structures of α - and β -Ir₂B₃-x compounds
DALTON TRANSACTIONS. 53(2024), 38; 15859-15871,
DOI: <https://doi.org/10.1039/d4dt02095b>

157. (n_TOF Collaboration) Sosnin, N. V.; ...; Bosnar, Damir; ...; Žugec, Petar
Measurement of the ⁷⁸Se(n, γ)⁷⁹Se cross section up to 600 keV at the n_TOF facility at CERN
PHYSICAL REVIEW C. 110(2024), 6; 65805
DOI: <https://doi.org/10.1103/PhysRevC.110.065805>

158. Sostar, Marko; Marinovic, Maja; Filic, Vedrana; Pavin, Nenad; Weber, Igor
Oscillatory dynamics of Rac1 activity in Dictyostelium discoideum amoebae
PLOS COMPUTATIONAL BIOLOGY. 20(2024), 12; e1012025
DOI: <https://doi.org/10.1371/journal.pcbi.1012025>

159. Spreckels, R.; Hoek, M.; Mueller, U.; Thiel, M.; Achenbach, P.; Bosnar, D.; Caiazza, S.; Distler, M. O.; Doria, L.; Eckert, P.; Esser, A.; Fonvieille, H.; Geimer, J.; Herrmann, P.; Kegel, S.; Klag, P.; Lunkenheimer, S.; Makek, M.; Markus, D.; Merkel, H.; Mihovilovic, M.; Mueller, J.; Pochodzalla, J.; Rausch, J.; Schlimme, B. S.; Sfienti, C.; Sirca, S.
A highly segmented neutron polarimeter for A1
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. 1062(2024), 169171
DOI: <https://doi.org/10.1016/j.nima.2024.169171>

160. Strelec, Ivica; Peranovic, Katarina; Ostojcic, Marta; Aladic, Krunoslav; Pavlovic, Hrvoje; Djerdj, Igor; Tatar, Dalibor; Maravic, Nikola; Skoko, Zeljko; Budzaki, Sandra
Eggshell waste transformation to calcium chloride anhydride as food-grade additive and eggshell membranes as enzyme immobilization carrier
GREEN PROCESSING AND SYNTHESIS. 13(2024), 1; 20230254
DOI: <https://doi.org/10.1515/gps-2023-0254>

161. Strkalj, Antonio; Chen, Xi-Rong; Chen, Wei; Xing, D. Y.; Zilberberg, Oded
Tomasch Oscillations as Above-Gap Signature of Topological Superconductivity
PHYSICAL REVIEW LETTERS. 132(2024), 6; 66301
DOI: <https://doi.org/10.1103/PhysRevLett.132.066301>

162. Sunko, D. K.; Cioslowski, J.
The three-dimensional harmonic oscillator and solid harmonics in Bargmann space
EUROPEAN JOURNAL OF PHYSICS. 45(2024), 5; 55401
DOI: <https://doi.org/10.1088/1361-6404/ad61d1>

163. Susac, Ana; Kuechemann, Stefan; Planinic, Maja; Kuhn, Jochen
University students' recognition of typical wave optics patterns
EUROPEAN JOURNAL OF PHYSICS. 45(2024), 4; 45702
DOI: <https://doi.org/10.1088/1361-6404/ad3ca4>

164. Szilner, S.; Corradi, L.; Dikli, J.; Mijatovi, T.; Galtarossa, F.; Pollarolo, G.; Fioretto, E.; Goasduff, A.; Montagnoli, G.; Stefanini, A. M.; Colucci, G.; Colovic, P.; Gottardo, A.; Grebosz, J.; Illana, A.; Jaworski, G.; Gomez, M. Jurado; Marchi, T.; Mengoni, D.; Milin, M.; Nurki, D.; Siciliano, M.; Soic, N.; Testov, D.; Valiente-Dobon, J. J.; Vukman, N.
Quest for Cooper Pair Transfer in Heavy-Ion Reactions
The 206 Pb+118 Sn Case
PHYSICAL REVIEW LETTERS. 133(2024), 20; 202501
DOI: <https://doi.org/10.1103/PhysRevLett.133.202501>

165. Tabanelli, Hugo; Castelnovo, Claudio; Strkalj, Antonio
Reentrant localization transitions and anomalous spectral properties in off-diagonal quasiperiodic systems
PHYSICAL REVIEW B. 110(2024), 18; 184208
DOI: <https://doi.org/10.1103/PhysRevB.110.184208>

166. Tafra, Emil; Basletic, Mario; Ivek, Tomislav; Kuvezdic, Marko; Novosel, Nikolina; Tomic, Silvia; Korin-Hamzic, Bojana; Culo, Matija
Charge Transport in the Presence of Correlations and Disorder
Organic Conductors and Manganites
MATERIALS. 17(2024), 7; 1524
DOI: <https://doi.org/10.3390/ma17071524>

167. (n_TOF Collaboration) Tagliente, G.; ...; Bosnar, Damir; ...; Žugec, Petar
High-resolution cross section measurements for neutron interactions on 89Y with incident neutron energies up to 95 keV
EUROPEAN PHYSICAL JOURNAL A. 60(2024), 1; 21
DOI: <https://doi.org/10.1140/epja/s10050-024-01243-4>

168. Tang, Huiyan; Wang, Ziteng; Tang, Liqin; Song, Daohong; Chen, Zhigang; Buljan, Hrvoje
Control of non-Hermitian skin effect by staggered synthetic gauge fields
APL PHOTONICS. 9(2024), 5; 56102
DOI: <https://doi.org/10.1063/5.0196844>

169. Tkachenko, Andrew; Pavlovski, Kresimir; Serebriakova, Nadezhda; Bowman, Dominic M.; Ijspeert, Luc; Gebruers, Sarah; Southworth, John
Observational mapping of the mass discrepancy in eclipsing binaries
Selection of the sample and its photometric and spectroscopic properties
ASTRONOMY & ASTROPHYSICS. 683(2024), A252
DOI: <https://doi.org/10.1051/0004-6361/202347793>

170. Tomicic, Neven; Werle, Ariel; Vulcani, Benedetta; Ignesti, Alessandro; Moretti, Alessia; Wolter, Anna; George, Koshy; Poggianti, Bianca M.; Gullieuszik, Marco
Spatially Resolved Comparison of SFRs from UV and H α in GASP Gas-stripped Galaxies
ASTROPHYSICAL JOURNAL. 976(2024), 1; 90
DOI: <https://doi.org/10.3847/1538-4357/ad7130>

171. Uros, Mario; Demsic, Marija; Novak, Marta Savor; Atalic, Josip; Banicek, Maja; Rundek, Romano Jevtic; Duvnjak, Ivan; Koscak, Janko; Pilipovic, Ante; Prevotnik, Snjezan
Damage Evaluation and Seismic Assessment of a Typical Historical Unreinforced
Masonry Building in the Zagreb 2020 Earthquake
A Case Study-Part I
BUILDINGS. 14(2024), 2; 474
DOI: <https://doi.org/10.3390/buildings14020474>

172. Veselsky, M.; Koliogiannis, P. S.; Petousis, V.; Leja, J.; Moustakidis, Ch. C.
How the HESS J1731-347 object could be explained using K - condensation
PHYSICS LETTERS B. 860(2025), 139185
DOI: <https://doi.org/10.1016/j.physletb.2024.139185>

173. Vukmirovic, Jelena; Piper, Danica; Senjug, Pavla; Pajic, Damir; Miljevic, Bojan; Milanovic, Marija; Joksovic, Sara; Novakovic, Mirjana; Srdic, Vladimir V.
Structure and magnetic properties of epitaxial Sr-LaMnO₃ thin films obtained by polymer
assisted deposition
PROCESSING AND APPLICATION OF CERAMICS. 18(2024), 4; 375-385,
DOI: <https://doi.org/10.2298/PAC2404375V>

174. Wang, Xi; Kundu, Anirban; Xu, Bochao; Hameed, Sajna; Rothem, Nadav; Rabkin, Shai;
Rogic, Luka; Thompson, Liam; McLeod, Alexander; Greven, Martin; Pelc, Damjan;
Sochnikov, Ilya; Kalisky, Beena; Klein, Avraham
Multiferroicity in plastically deformed SrTiO₃
NATURE COMMUNICATIONS. 15(2024), 1; 7442
DOI: <https://doi.org/10.1038/s41467-024-51615-z>

175. Wang, Xiangdong; Bongiovanni, Domenico; Wang, Ziteng; Abdrabou, Amgad; Hu, Zhichan; Jukic, Dario; Song, Daohong; Morandotti, Roberto; El-Ganainy, Ramy; Chen, Zhigang; Buljan, Hrvoje
Construction of Topological Bound States in the Continuum Via Subsymmetry
ACS PHOTONICS. 11(2024), 8; 3213-3220,
DOI: <https://doi.org/10.1021/acsphotonics.4c00600>

176. Werle, A.; Giunchi, E.; Poggianti, B.; Gullieuszik, M.; Moretti, A.; Zanella, A.; Tonnesen, S.; Fritz, J.; Vulcani, B.; Bacchini, C.; Akerman, N.; Kulier, A.; Tomicic, N.; Smith, R.; Wolter, A.
The history of star-forming regions in the tails of six GASP jellyfish galaxies observed with the Hubble Space Telescope
ASTRONOMY & ASTROPHYSICS. 682(2024), A162
DOI: <https://doi.org/10.1051/0004-6361/202348055>

177. (n_TOF Collaboration) Wright, T.; ...; Bosnar, Damir; ...; Žugec, Petar
Measurement of the prompt fission γ -rays from slow neutron-induced fission of ^{235}U with STEFF
EUROPEAN PHYSICAL JOURNAL A. 60(2024), 3; 70
DOI: <https://doi.org/10.1140/epja/s10050-024-01277-8>

178. Xia, Shiqi; Lei, Sihong; Song, Daohong; Di Lauro, Luigi; Alamgir, Imtiaz; Tang, Liqin; Xu, Jingjun; Morandotti, Roberto; Buljan, Hrvoje; Chen, Zhigang
Deep-learning-empowered synthetic dimension dynamics
morphing of light into topological modes
ADVANCED PHOTONICS. 6(2024), 2;
DOI: <https://doi.org/10.1117/1.AP.6.2.026005>

179. Zhang, D. D.; Vretenar, D.; Niksic, T.; Zhao, P. W.; Meng, J.
Multinucleon transfer with time-dependent covariant density functional theory
PHYSICAL REVIEW C. 109(2024), 2; 24614
DOI: <https://doi.org/10.1103/PhysRevC.109.024614>

180. Zugec, Petar; Horvatic, Davor; Smolic, Ivica
Lorentz contraction of electric field lines for a point charge in uniform motion
EUROPEAN JOURNAL OF PHYSICS. 45(2024), 4; 45204
DOI: <https://doi.org/10.1088/1361-6404/ad4e20>

181. Tokić, Nina; Piteša, Tomislav; Prlj, Antonio; Sapunar, Marin; Došlić, Nađa
Advantages and Limitations of Landau-Zener Surface Hopping Dynamics
Croatia chemica acta, 97 (2024), 4; P1-P11
<https://hrcak.srce.hr/327147>