



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2025

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

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/ψ 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/ψ 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 Γ 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/ψ 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 ω 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 Ξ_c0 baryons in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 1; 86
<https://doi.org/10.1140/epjc/s10052-024-13531-w>
13. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Particle production as a function of charged-particle flatnecity in pp collisions at $\sqrt{s_p}=13$ TeV
PHYSICAL REVIEW D. 111 (2025), 1; 012010
<https://doi.org/10.1103/PhysRevD.111.012010>
14. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Investigating Λ baryon production in p-Pb collisions in jets and the underlying event using angular correlations
PHYSICAL REVIEW C. 111 (2025), 1; 015201
<https://doi.org/10.1103/PhysRevC.111.015201>

15. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Common femtoscopic hadron-emission source in pp collisions at the LHC
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 2; 198
<https://doi.org/10.1140/epjc/s10052-025-13793-y>
16. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 112 (2025), 5; 054906
<https://doi.org/10.1103/xl6m-vbqk>
17. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Multiplicity-dependent jet modification from di-hadron correlations in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 3; 194
[https://doi.org/10.1007/JHEP03\(2025\)194](https://doi.org/10.1007/JHEP03(2025)194)
18. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Accessing the deuteron source with pion-deuteron femtoscopia in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 112 (2025), 6; 064003
<https://doi.org/10.1103/mrp4-z4hh>
19. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of isolated prompt photon production in pp and p-Pb collisions at the LHC
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 12; 1407
<https://doi.org/10.1140/epjc/s10052-025-14802-w>
20. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Search for Quasiparticle Scattering in the Quark-Gluon Plasma with Jet Splittings in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW LETTERS. 135 (2025), 3; 031901
<https://doi.org/10.1103/PhysRevLett.135.031901>
21. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Studying charm hadronisation into baryons with azimuthal correlations of Λ_c^+ with charged particles in pp collisions at $\sqrt{s}=13$ TeV
PHYSICS LETTERS B. 868 (2025), 139681
<https://doi.org/10.1016/j.physletb.2025.139681>

22. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
First measurement of $Ds_1(1^+)(2536)^+$ and $Ds_2^*(2^+)(2573)^+$ production in proton-proton collisions at $\sqrt{s}=13$ TeV at the LHC
PHYSICAL REVIEW D. 111 (2025), 11; 112005
<https://doi.org/10.1103/PhysRevD.111.112005>
23. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Proton emission in ultraperipheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 111 (2025), 5; 054906
<https://doi.org/10.1103/PhysRevC.111.054906>
24. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Medium-induced modification of groomed and ungroomed jet mass and angularities in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. 864 (2025), 139409
<https://doi.org/10.1016/j.physletb.2025.139409>
25. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
First observation of strange baryon enhancement with effective energy in pp collisions at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 3; 29
[https://doi.org/10.1007/JHEP03\(2025\)029](https://doi.org/10.1007/JHEP03(2025)029)
26. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Observation of deuteron and antideuteron formation from resonance-decay nucleons
NATURE. 648 (2025), 8093; ; 306-311
<https://doi.org/10.1038/s41586-025-09775-5>
27. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Coherent J/ψ photoproduction at midrapidity in Pb - Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. 871 (2025), 139952
<https://doi.org/10.1016/j.physletb.2025.139952>
28. (A Large Ion Collider Experiment Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
 D_0 -meson-tagged jet axes difference in proton-proton collisions at $\sqrt{p}=5.02$ TeV
PHYSICAL REVIEW D. 112 (2025), 9; 092012
<https://doi.org/10.1103/nt4q-7t77>

29. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of ω meson production in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 112 (2025), 4; 044904
<https://doi.org/10.1103/PhysRevC.112.044904>
30. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Charged-particle multiplicity distributions over a wide pseudorapidity range in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 8; 919
<https://doi.org/10.1140/epjc/s10052-025-14577-0>
31. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of correlations among net-charge, net-proton, and net-kaon multiplicity distributions in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 8; 210
[https://doi.org/10.1007/JHEP08\(2025\)210](https://doi.org/10.1007/JHEP08(2025)210)
32. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Investigating the p - π^\pm and p - p - π^\pm dynamics with femtoscopy in pp collisions at $\sqrt{s}=13$ TeV
EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 8; 194
<https://doi.org/10.1140/epja/s10050-025-01615-4>
33. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
First measurement of symmetric cumulants of hexagonal flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 112 (2025), 2; 024905
<https://doi.org/10.1103/PhysRevC.112.024905>
34. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurements of differential two-particle number and transverse momentum correlation functions in pp collisions at $\sqrt{s}=13$ TeV
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 8; 866
<https://doi.org/10.1140/epjc/s10052-025-14531-0>
35. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Multiplicity-dependent inclusive J/ψ production at forward rapidity in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 7; 238
[https://doi.org/10.1007/JHEP07\(2025\)238](https://doi.org/10.1007/JHEP07(2025)238)

36. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Higher-order symmetry plane correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. 111 (2025), 6; 064913
<https://doi.org/10.1103/zx6t-29hf>
37. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of $f_1(1285)$ production in pp collisions at $\sqrt{s}=13$ TeV
PHYSICS LETTERS B. 866 (2025), 139562
<https://doi.org/10.1016/j.physletb.2025.139562>
38. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Measurement of the inclusive isolated-photon production cross section in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 5; 553
<https://doi.org/10.1140/epjc/s10052-025-13971-y>
39. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
First Measurement of A=4 Hypernuclei and Antihypernuclei at the LHC
PHYSICAL REVIEW LETTERS. 134 (2025), 16; 162301
<https://doi.org/10.1103/PhysRevLett.134.162301>
40. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Multimuons in cosmic-ray events as seen in ALICE at the LHC
JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. (2025), 4; 9
<https://doi.org/10.1088/1475-7516/2025/04/009>
41. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Karatović, D.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Exploring nuclear structure with multiparticle azimuthal correlations at the LHC
PHYSICS LETTERS B. 869 (2025), 139855
<https://doi.org/10.1016/j.physletb.2025.139855>
42. (ALICE Collaboration) Acharya, S.; ...; Gotovac, S.; ...; Kovačić, N.; ...; Planinić, M.; ...; Poljak, N.; ...; Vicković, L.; ...; Zurlo, N.
Femtoscopic study of the proton-proton and proton-deuteron systems in heavy-ion collisions at the LHC
PHYSICS LETTERS B. 871 (2025), 139921
<https://doi.org/10.1016/j.physletb.2025.139921>

43. (Qweak Collaboration) Adhikari, D.; AlShayeb, T.; Androic, D.; Armstrong, D. S.; Asaturyan, A.; Bartlett, K.; Beminiwaththa, R. S.; Benesch, J.; Benmokhtar, F.; Carlini, R. D.; Cornejo, J. C.; Dusa, S. Covrig; Dalton, M. M.; Davis, C. A.; Deconinck, W.; Dunne, J. A.; Dutta, D.; Duvall, W. S.; Elaasar, M.; Falk, W. R.; Finn, J. M.; Gal, C.; Gaskell, D.; Gericke, M. T. W.; Hoskins, J. R.; Jones, D. C.; Jones, M. K.; King, P. M.; Korkmaz, E.; Kowalski, S.; Leacock, J.; Leckey, J. P.; Lee, A. R.; Lee, J. H.; Lee, L.; MacEwan, S.; Mack, D.; Magee, J. A.; Mahurin, R.; Mammei, J.; Martin, J. W.; McHugh, M. J.; Mesick, K. E.; Michaels, R.; Micherdzinska, A.; Mkrtchyan, A.; Mkrtchyan, H.; Ndukum, L. Z.; Nuhait, H.; Nuruzzaman; van Oers, W. T. H.; Page, S. A.; Pan, J.; Paschke, K. D.; Phillips, S. K.; Pitt, M. L.; Radloff, R. W.; Rajotte, J. F.; Ramsay, W. D.; Roche, J.; Sawatzky, B.; Simicevic, N.; Smith, G. R.; Solvignon, P.; Spayde, D. T.; Subedi, A.; Tobias, W. A.; Tvaskis, V.; Waidyawansa, B.; Wang, P.; Wells, S. P.; Wood, S. A.; Zang, P.; Zhamkochyan, S.
Measurement of the parity-violating asymmetry in the $N \rightarrow \Delta$ transition at low Q^2
PHYSICAL REVIEW C. 112 (2025), 1; L012501
<https://doi.org/10.1103/3xl1-jytq>
44. Aschenauer, E. C.; Batozskaya, V.; Fazio, S.; Jentsch, A.; Kim, J.; Kumericki, K.; Moutarde, H.; Passek-K, K.; Sokhan, D.; Spiesberger, H.; Sznajder, P.; Tezgin, K.
Study of deeply virtual Compton scattering at the future electron-ion collider
PHYSICAL REVIEW D. 112 (2025), 3; 036010
<https://doi.org/10.1103/fy8y-bjc9>
45. Babic, Tea; Erakovic, Mihael; Cvitas, Marko T.
Tunneling Splittings of the Protonated Water and Water Dimer
CROATICA CHEMICA ACTA. 97 (2025), 4; 217-229
<https://doi.org/10.5562/cca4132>
46. Benić, Sanjin; Dumitru, Adrian
Off forward non-s-channel helicity conserving contributions to exclusive vector quarkonium production from the spin dependent BFKL Pomeron
PHYSICAL REVIEW D. 112 (2025), 3; 034025
<https://doi.org/10.1103/7t3g-d4wr>
47. Beni, Sanjin; Dumitru, Adrian; Motyka, Leszek; Stebel, Tomasz
Gluon Sivers function from forward exclusive χ_{c1} photoproduction on unpolarized protons
PHYSICAL REVIEW D. 111 (2025), 5; 054008
<https://doi.org/10.1103/PhysRevD.111.054008>
48. Benic, Sanjin; Hatta, Yoshitaka
Directed flow from parton spin-orbit coupling in pp and pA collisions
PHYSICS LETTERS B. 868 (2025), 139709
<https://doi.org/10.1016/j.physletb.2025.139709>

49. Benic, Sanjin; Vivoda, Eric Andreas
Single spin asymmetry in forward pA collisions from the Pomeron-odderon interference
PHYSICAL REVIEW D. 111 (2025), 9; 094027
<https://doi.org/10.1103/PhysRevD.111.094027>
50. Bhatt, H.; Bosted, P.; Jia, S.; Armstrong, W.; Dutta, D.; Ent, R.; Gaskell, D.; Kinney, E.; Mkrtchyan, H.; Ali, S.; Ambrose, R.; Androic, D.; Gayoso, C. Ayerbe; Bandari, A.; Berdnikov, V.; Bhetuwal, D.; Biswas, D.; Boer, M.; Brash, E.; Camsonne, A.; Cardona, M.; Chen, J. P.; Chen, J.; Chen, M.; Christy, E. M.; Danagoulian, S.; Covrig, S.; Duran, B.; Elaasar, M.; Elliot, C.; Fenker, H.; Fuchey, E.; Hansen, J. O.; Hauenstein, F.; Diefenthaler, M.; Horn, T.; Huber, G. M.; Jones, M. K.; Kabir, M. L.; Karki, A.; Karki, B.; Kay, S. J. D.; Keppel, C.; Kumar, V.; Lashley-Colthirst, N.; Li, W. B.; Mack, D.; Malace, S.; Markowitz, P.; McCaughan, M.; McClellan, E.; Meekins, D.; Michaels, R.; Mkrtchyan, A.; Niculescu, G.; Niculescu, I.; Pandey, B.; Park, S.; Pooser, E.; Sawatzky, B.; Smith, G. R.; Szumila-Vance, H.; Tadeballi, A. S.; Tadevosyan, V.; Trotta, R.; Voskanyan, H.; Wood, S. A.; Ye, Z.; Yero, C.; Zheng, X.
Flavor dependence of charged pion fragmentation functions
PHYSICS LETTERS B. 865 (2025), 139485
<https://doi.org/10.1016/j.physletb.2025.139485>
51. Bippus, Frederic; Krsnik, Juraj; Kitatani, Motoharu; Aksamovic, Luka; Kauch, Anna; Barisic, Neven; Held, Karsten
Entanglement in the pseudogap regime of cuprate superconductors
PHYSICAL REVIEW B. 112 (2025), 8; L081110
<https://doi.org/10.1103/xk42-b9cx>
52. Bokuli, Ana; Herdeiro, Carlos A. R.
Exact multiblack hole spacetimes in Einstein-ModMax theory
PHYSICAL REVIEW D. 111 (2025), 6; 64046
<https://doi.org/10.1103/PhysRevD.111.064046>
53. Bokulic, Tomislav; Budanec, Mirjana; Mrcela, Iva; Gregov, Marin; Matanic, Ante; Vujasinovic, Vera; Mlinaric, Mihaela
Measurements of the high dose rate brachytherapy ¹⁹²Ir source reference air kerma rate: a retrospective analysis of the single institution results
APPLIED RADIATION AND ISOTOPES. 225 (2025), 111959
<https://doi.org/10.1016/j.apradiso.2025.111959>
54. Cebela, Maria; Senjug, Pavla; Zagorac, Dejan; Popov, Igor; Zagorac, Jelena; Rosic, Milena; Pajic, Damir
Synthesis, Structural and Magnetic Properties of BiFeO₃ Substituted with Ag
MATERIALS. 18 (2025), 7; 1453
<https://doi.org/10.3390/ma18071453>

55. Ciric, Marija Dimitrijevic; Konjik, Nikola; Juric, Tajron; Samsarov, Andjelo; Smolic, Ivica
Noncommutative Reissner-Nordström Black Hole from Noncommutative Charged Scalar Field
SYMMETRY-BASEL. 17 (2025), 1; 54
<https://doi.org/10.3390/sym17010054>
56. Cvitan, Maro; Prester, Predrag Dominis; Giaccari, Stefano; Paulisic, Mateo; Vukovic, Ivan
Rotations and boosts of Hermite functions
EUROPEAN PHYSICAL JOURNAL PLUS. 140 (2025), 5; 454
<https://doi.org/10.1140/epjp/s13360-025-06333-w>
57. Daschner, Maximilian; Gudac, Bruno; Novak, Mario; Liu, Cheng; Grosche, F. Malte; Kokanovic, Ivan
Probing the Fermi surface with quantum oscillation measurements in the Dirac semimetal TaNiTe5
PHYSICAL REVIEW B. 112 (2025), 19; 195137
<https://doi.org/10.1103/physrevb.112.195137>
58. de Vries, J.; Drewes, M.; Georis, Y.; Klaric, J.; Plakkot, V.
Confronting the low-scale seesaw and leptogenesis with neutrinoless double beta decay
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 5; 90
[https://doi.org/10.1007/JHEP05\(2025\)090](https://doi.org/10.1007/JHEP05(2025)090)
59. Dey, P.; Palit, R.; Ideguchi, E.; Inakura, T.; Babra, F. S.; Das, Biswajit; Garg, U.; Jadhav, S. V.; Jain, A. K.; Kundu, A.; Laskar, Md. S. R.; Maheshwari, B.; Malik, Vishal; Naidu, B. S.; Negi, D.; Sihotra, S.; Vazhappilly, A. T.
Particle-coupled octupole collectivity in 91Zr
NUCLEAR PHYSICS A. 1057 (2025), 123035
<https://doi.org/10.1016/j.nuclphysa.2025.123035>
60. Djurek, Danijel; Prester, Mladen; Drobac, Djuro; Mandic, Vilko; Pajic, Damir
Mott Law $\exp(T_0/T)^{1/4}$ and Scaling Properties of the Oxygen-Deficient Tenorite CuO_{0.75}
CONDENSED MATTER. 10 (2025), 2; 33
<https://doi.org/10.3390/condmat10020033>
61. Domingo-Pardo, C.; Aberle, O.; Alcayne, V.; Alpar, G.; Halabi, M. Al; Amaducci, S.; Babiano, V.; Bacak, M.; Balibrea-Correa, J.; Bartolome, J.; Bernardes, A. P.; Gameiro, B. Bernardino; Berthoumieux, E.; Beyer, R.; Birch, M.; Boromiza, M.; Bosnar, D.; Brusasco, B.; Caamano, M.; Cahuzac, A.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Castelluccio, D. M.; Catlett, D.; Cerutti, F.; Cescutti, G.; Chiaveri, E.; Claps, G.; Colombetti, P.; Colonna, N.; Camprini, P. Console; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Cristallo, S.; D'Ottavi, A.; de la Fuente Rosales, G.; Dellmann, S. F.; Diakaki, M.; Di Castro, M.; Di Chicco, A.; Dietz, M.; Dupont, E.; Duran, I.; Eleme, Z.; Eslami, M.; Fargier, S.; Fernandez-Dominguez, B.; Finocchiaro, P.; Flanagan, W.; Furman, V.; Gandhi, A.; Garcia-Infantes, F.; Gawlik-Ramiega, A.; Gervino, G.; Gilardoni, S.; Gonzalez-Romero,

- E.; Goula, S.; Griesmayer, E.; Guerrero, C.; Gunsing, F.; Gustavino, C.; Heyse, J.; Hillman, W.; Jenkins, D. G.; Jericha, E.; Junghans, A.; Kadi, Y.; Kaperoni, K.; Kelly, I.; Kokkoris, M.; Kopatch, Y.; Krticka, M.; Kyritsis, N.; Lederer-Woods, C.; Leredegui-Marco, J.; Manna, A.; Martinez, T.; Martinez-Canada, M.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Michalopoulou, V.; Milazzo, P. M.; Moldenhauer, J.; Mucciola, R.; Gonzalez, E. Musacchio; Musumarra, A.; Negret, A.; Odusina, E.; Papanikolaou, D.; Patronis, N.; Pavon-Rodriguez, J. A.; Pellegriti, M. G.; Perez-Maroto, P.; de Rada Fiol, A. Perez; Perfetto, G.; Perkowski, J.; Petrone, C.; Pieretti, N.; Piersanti, L.; Pirovano, E.; Porras, I.; Praena, J.; Quesada, J. M.; Reifarh, R.; Rochman, D.; Romanets, Y.; Rooney, A.; Rovira, G.; Rubbia, C.; Sanchez-Caballero, A.; Sahoo, R. N.; Scarpa, D.; Schillebeeckx, P.; Smith, A. G.; Sosnin, N. V.; Spelta, M.; Stamati, M. E.; Stasiak, K.; Tagliente, G.; Tarifeno-Saldivia, A.; Tarrío, D.; Torres-Sanchez, P.; Tosi, S.; Tsileidakis, G.; Valenta, S.; Vaz, P.; Vecchio, G.; Vescovi, D.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Weiss, C.; Woods, P. J.; Wright, T.; Wu, R.; Zugec, P.
- Neutron capture measurements for s-process nucleosynthesis
 EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 5; 105
<https://doi.org/10.1140/epja/s10050-025-01563-z>
62. Dragasevic, Jan; Moslavac, Ina; Smolic, Ivica
 Weighing the curvature invariants
 EUROPEAN PHYSICAL JOURNAL C. 85 (2025), 7; 818
<https://doi.org/10.1140/epjc/s10052-025-14552-9>
63. Drewes, Marco; Georis, Yannis; Klaric, Juraj; Wendels, Antony
 On the collider-testability of the type-I seesaw model with 3 right-handed neutrinos
 JOURNAL OF HIGH ENERGY PHYSICS. (2025), 3; 176
[https://doi.org/10.1007/JHEP03\(2025\)176](https://doi.org/10.1007/JHEP03(2025)176)
64. George, K.; Poggianti, B. M.; Vulcani, B.; Gullieuszik, M.; Postma, J.; Fritz, J.; Cote, P.; Jaffe, Y. L.; Moretti, A.; Ignesti, A.; Peluso, G.; Tomicic, N.; Subramaniam, A.; Ghosh, S. K.; Tandon, S. N.
 Star formation at different stages of ram-pressure stripping as observed through far-ultraviolet imaging of 13 GASP galaxies
 ASTRONOMY & ASTROPHYSICS. 700 (2025), A38
<https://doi.org/10.1051/0004-6361/202554945>
65. Giannios, Ch. D.; Koliogiannis, P. S.; Moustakidis, Ch. C.
 Statistical complexity as a probe of mass and phase structure in compact objects
 PHYSICS LETTERS A. 560 (2025), 130934
<https://doi.org/10.1016/j.physleta.2025.130934>

66. Glittum, Cecilie; Strkalj, Antonio; Prabhakaran, Dharmalingam; Goddard, Paul A.; Batista, Cristian D.; Castelnovo, Claudio
A resonant valence bond spin liquid in the dilute limit of doped frustrated Mott insulators
NATURE PHYSICS. 21 (2025), 8;
<https://doi.org/10.1038/s41567-025-02923-8>
67. Gluncic, Matko; Vlahovic, Ines; Rosandic, Marija; Paar, Vladimir
Cascading 58mer Alpha Satellite superHOR in Complete Orangutan Y Chromosome
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. 26 (2025), 17; 8122
<https://doi.org/10.3390/ijms26178122>
68. Gluncic, Matko; Vlahovic, Ines; Rosandic, Marija; Paar, Vladimir
Precise Identification of Higher-Order Repeats (HORs) in T2T-CHM13 Assembly of Human Chromosome 21-Novel 52mer HOR and Failures of Hg38 Assembly
GENES. 16 (2025), 8; 885
<https://doi.org/10.3390/genes16080885>
69. Gluncic, Tvrtko; Baric, Domjan; Gluncic, Matko
VISTA: A Multi-View, Hierarchical, and Interpretable Framework for Robust Topic Modelling
MACHINE LEARNING AND KNOWLEDGE EXTRACTION. 7 (2025), 4; 162
<https://doi.org/10.3390/make7040162>
70. Grozic, P.; Kadigrobov, A. M.; Rukelj, Z.; Kupcic, I.; Radic, D.
Magnetoelectricity and quantum oscillations in intercalated graphite CaC₆ with the Fermi surface reconstructed by the uniaxial charge density wave
PHYSICAL REVIEW B. 111 (2025), 4; 045127
<https://doi.org/10.1103/PhysRevB.111.045127>
71. Gudac, Bruno; Sacer, Petar; Orbanic, Filip; Kokanovic, Ivan; Rukelj, Zoran; Penic, Nikolina; Popcevic, Petar; Aksamovic, Luka; Barisic, Neven Z.; Nurmamat, Munisa; Kimura, Akio; Novak, Mario
Unconventional temperature evolution of quantum oscillations in Sn-doped Bi_{1.1}Sb_{0.9}Te₂S topological insulator
APPLIED PHYSICS LETTERS. 126 (2025), 20; 203102
<https://doi.org/10.1063/5.0271389>
72. Herceg, Nikola; Juric, Tajron; Kumara, A. Naveena; Samsarov, Andjelo; Smolic, Ivica
Noncommutative quasinormal modes of Schwarzschild black hole
JOURNAL OF HIGH ENERGY PHYSICS. (2025), 5; 83
[https://doi.org/10.1007/JHEP05\(2025\)083](https://doi.org/10.1007/JHEP05(2025)083)

73. Ilic, Svetlana; Maletaskic, Jelena; Skoko, Zeeljko; Vuksanovic, Marija M.; Radovanovic, Zeljko; Ristic, Ivica; Saponjic, Aleksandra
Utilization of Waste Clay-Diatomite in the Production of Durable Mullite-Based Insulating Materials
APPLIED SCIENCES-BASEL. 15 (2025), 13; 7512
<https://doi.org/10.3390/app15137512>
74. Jakovac, Ivan; Cvitanic, Tonci; Arcon, Denis; Herak, Mirta; Cincic, Dominik; Topic, Nea Baus; Hosokoshi, Yuko; Ono, Toshio; Iwashita, Ken; Hayashi, Nobuyuki; Amaya, Naoki; Matsuo, Akira; Kindo, Koichi; Loncaric, Ivor; Horvatic, Mladen; Takigawa, Masashi; Grbic, Mihael S.
Properties of an organic model S=1 Haldane chain system
PHYSICAL REVIEW B. 111 (2025), 6; 064407
<https://doi.org/10.1103/PhysRevB.111.064407>
75. Jin, L.; Ravlic, A.; Giuliani, P.; Godbey, K.; Nazarewicz, W.
Surrogate models for linear response
PHYSICAL REVIEW RESEARCH. 7 (2025), 4; 043347
<https://doi.org/10.1103/vvxs-3mnk>
76. Kaucic, Hrvoje; Ilic, Maja Karaman; Kosmina, Domagoj; Krpan, Ana Misir; Divosevic, Suncana; Avdicevic, Asmir; Feljan, Hrvoje; Lekic, Matea; Schwarz, Karla; Schwarz, Dragan
Single-Fraction SBRT for Locally Advanced Pancreatic Cancer Using Total Intravenous Anaesthesia and Optical Surface Guidance: Technique and Preliminary Results
CANCERS. 17 (2025), 19; 3093
<https://doi.org/10.3390/cancers17193093>
77. Kaur, Amandeep; Yueksel, Esra; Paar, Nils
Electric and magnetic γ -ray strength functions at finite temperature
PHYSICAL REVIEW C. 112 (2025), 1; 14307
<https://doi.org/10.1103/96g9-1ff5>
78. Kaur, Amandeep; Yuksel, Esra; Paar, Nils
Hot pygmy dipole strength in nickel isotopes
PHYSICAL REVIEW C. 112 (2025), 5; L051304
<https://doi.org/10.1103/3t7h-nds7>
79. Keran, B.; Kadigrobov, A. M.; Rukelj, Z.; Radic, D.
Biaxial charge density wave ground states in quasi-two-dimensional metallic systems with closed isotropic Fermi surfaces
PHYSICAL REVIEW B. 112 (2025), 15; 155116
<https://doi.org/10.1103/1j2b-747d>

80. Khoram, Amir H.; Poggianti, Bianca; Moretti, Alessia; Vulcani, Benedetta; Radovich, Mario; Werle, Ariel; Gullieuszik, Marco; Amiri, Amirnezam; Belli, Sirio; Bugiani, Letizia; Tomicic, Neven; Peluso, Giorgia; Giunchi, Eric; Richard, Johan
Stripped and enriched: the role of ram-pressure in shaping chemical enrichment of galaxies at intermediate redshift
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. 540 (2025), 1; ; L58-L64
<https://doi.org/10.1093/mnras/slaf034>
81. Klaser, Teodoro; Jaklin, Marko; Popovic, Jasminka; Grgicevic, Ivan; Skoko, Zeljko
Thermal Strain and Microstrain in a Polymorphic Schiff Base: Routes to Thermosaliencence
MOLECULES. 30 (2025), 12; 2567
<https://doi.org/10.3390/molecules30122567>
82. Klaser, Teodoro; Popovic, Jasminka; Loncaric, Ivor; Skoko, Zeljko
Structural Evolution Leading to the Thermosalient Phase Transition of Oxitropium Bromide
MOLECULES. 30 (2025), 5; 1107
<https://doi.org/10.3390/molecules30051107>
83. Klaser, Teodoro; Stepancic, Oskar; Popovic, Jasminka; Pisk, Jana; Pavic, Luka; Picek, Igor; Matkovic-Calogovic, Dubravka; Skoko, Zeljko
Tetrabromobenzene-based molecular alloys - a tool for tailoring the temperature of the thermosalient phase transition
JOURNAL OF MATERIALS CHEMISTRY C. 13 (2025), 13; ; 6539-6546
<https://doi.org/10.1039/d4tc04615c>
84. Koliogiannis, P. S.; Yuksel, E.; Paar, N.
Constraining neutron star properties through parity-violating electron scattering experiments and relativistic point coupling interactions
PHYSICS LETTERS B. 862 (2025), 139362
<https://doi.org/10.1016/j.physletb.2025.139362>
85. Kupcic, Ivan; Papac, Patrik
Temperature Dependence of the Dynamical and DC Conductivity in 2D Dirac Systems: Self-Consistent Random-Phase-Approximation Approach
CONDENSED MATTER. 10 (2025), 1; 9
<https://doi.org/10.3390/condmat10010009>
86. Kuvezdic, Marko; Basletic, Mario; Tafra, Emil; Zadro, Kreso; Ristic, Ramir; Staresinic, Damir; Figueroa, Ignacio Alejandro; Babic, Emil
A New Insight into the Electronic Structure Property Relationships in Glassy Ti-Zr-Nb-(Cu,Ni,Co) Alloys
METALS. 15 (2025), 7; 719
<https://doi.org/10.3390/met15070719>

87. Labetic, Andrea; Klaser, Teodoro; Skoko, Zeljko; Jakovac, Marko; Zic, Mark
Surface Hardness of Polished Dental Zirconia: Influence of Polishing and Yttria Content
on Morphology, Phase Composition, and Microhardness
MATERIALS. 18 (2025), 14; 3380
<https://doi.org/10.3390/ma18143380>
88. Li, B.; Vretenar, D.; Niksic, T.; Zhao, P. W.; Meng, J.
Microscopic model for yields and total kinetic energy in nuclear fission
PHYSICAL REVIEW C. 111 (2025), 5; L051302
<https://doi.org/10.1103/PhysRevC.111.L051302>
89. Li, S.; Santiesteban, S. N.; Arrington, J.; Cruz-Torres, R.; Kurbany, L.; Abrams,
D.; Alsalmi, S.; Androic, D.; Aniol, K.; Averett, T.; Gayoso, C. Ayerbe; Bane, J.;
Barcus, S.; Barrow, J.; Beck, A.; Bellini, V.; Bhatt, H.; Bhetuwal, D.; Biswas, D.;
Bulumulla, D.; Camsonne, A.; Castellanos, J.; Chen, J.; Chen, J. -P.; Chrisman,
D.; Christy, M. E.; Clarke, C.; Covrig, S.; Craycraft, K.; Day, D.; Dutta, D.;
Fuchey, E.; Gal, C.; Garibaldi, F.; Gautam, T. N.; Gogami, T.; Gomez, J.; Gueye,
P.; Habarakada, A.; Hague, T. J.; Hansen, J. O.; Hauenstein, F.; Henry, W.;
Higinbotham, D. W.; Holt, R. J.; Hyde, C. E.; Itabashi, K.; Kaneta, M.; Karki, A.;
Katramatou, A. T.; Keppel, C. E.; Khachatryan, M.; Khachatryan, V.; King, P. M.;
Korover, I.; Kutz, T.; Lashley-Colthirst, N.; Li, W. B.; Liu, H.; Liyanage, N.; Long,
E.; Mammei, J.; Markowitz, P.; McClellan, R. E.; Meddi, F.; Meekins, D.; Beck, S.
Mey-Tal; Michaels, R.; Mihovilovic, M.; Moyer, A.; Nagao, S.; Nelyubin, V.;
Nguyen, D.; Nycz, M.; Olson, M.; Ou, L.; Owen, V.; Palatchi, C.; Pandey, B.;
Papadopoulou, A.; Park, S.; Paul, S.; Petkovic, T.; Pomatsalyuk, H. R.;
Premathilake, S.; Punjabi, V.; Ransome, R. D.; Reimer, P. E.; Reinhold, J.;
Riordan, S.; Roche, J.; Rodriguez, V. M.; Schmidt, A.; Schmookler, B.; Segarra,
E. P.; Shahinyan, A.; Sirca, S.; Slifer, K.; Solvignon, P.; Su, T.; Suleiman, R.;
Szumila-Vance, H.; 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.
Inclusive studies of two- and three-nucleon short-range correlations in ^3H and
 ^3He
PHYSICS LETTERS B. 868 (2025), 139734
<https://doi.org/10.1016/j.physletb.2025.139734>

90. Littich, M.; Doria, L.; Brand, P.; Achenbach, P.; Aulenbacher, S.; Bacca, S.; Bernauer, J. C.; Biroth, M.; Bonaventura, D.; Bosnar, D.; Christmann, M.; Cline, E.; Denig, A.; Distler, M.; Esser, A.; Friscic, I.; Geimer, J.; Guelker, P.; Hoek, M.; Klag, P.; Khoukaz, A.; Lauss, M.; Lunkenheimer, S.; Manoussos, T.; Markus, D.; Merkel, H.; Mihovilovic, M.; Mueller, U.; Pochodzalla, J.; Schlimme, B. S.; Sfienti, C.; Sobczyk, J. E.; Stengel, S.; Stephan, E.; Thiel, M.; Vestrick, S.; Wilczek, A.; opcionalno Wilhelm, L.
Measurement of the $^{40}\text{Ar}(e,e')$ elastic scattering cross section with a novel gas-jet target
EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 7; 152
<https://doi.org/10.1140/epja/s10050-025-01623-4>
91. Lotina, L.; Nomura, K.; Rodriguez-Guzman, R.; Robledo, L. M.
Quadrupole-hexadecapole correlations in neutron-rich samarium and gadolinium isotopes
PHYSICAL REVIEW C. 111 (2025), 2; 024301
<https://doi.org/10.1103/PhysRevC.111.024301>
92. Lozancic, Ana; Burazer, Sanja; Wagner, Tobias; Molcanov, Kresimir; Pajic, Damir; Andros Dubraja, Lidija; Tiemann, Michael; Juric, Marijana
Water-assisted proton conductivity and a magnetic study of heterotrinary oxalate-bridged compounds: molecular precursors for the Mn_2CrO_4 spinel
JOURNAL OF MATERIALS CHEMISTRY C. 13 (2025), 41; ; 21179-21195
<https://doi.org/10.1039/d5tc02569a>
93. Malenica, D. Jelavic; Milin, M.; Di Pietro, A.; Figuera, P.; Musumarra, A.; Pellegriti, M. G.; Scuderi, V.; Soic, N.; Szilner, S.; Torresi, D.; Uroic, M.
Experimental study of mirror nuclei ^{10}Be - ^{10}C , ^{11}B - ^{11}C , and ^9Be - ^9B populated via $^{10}\text{B}+^{10}\text{B}$ nuclear reactions
PHYSICAL REVIEW C. 112 (2025), 4; 044302
<https://doi.org/10.1103/p14g-w98k>
94. Manna, A.; Pirovano, E.; Camprini, P. Console; Cosentino, L.; Dietz, M.; Ducasse, Q.; Finocchiaro, P.; Le Naour, C.; Mancusi, D.; Massimi, C.; Mengoni, A.; Nolte, R.; Radeck, D.; Tassan-Got, L.; Terranova, N.; Vannini, G.; Ventura, A.; Aberle, O.; Alcayne, V.; Amaducci, S.; Andrzejewski, J.; Audouin, L.; Babiano-Suarez, V.; Bacaki, M.; Barbagallo, M.; Bennett, S.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brown, A.; Busso, M.; Caamano, M.; Caballero-Ontanayao, L.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Castelluccio, D. M.; Cerutti, F.; Chiaveri, E.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M. A.; Cristallo, S.; Damone, L. A.; Davies, P. J.; Diakaki, M.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Eleme, Z.; Fernandez-Dominguez, B.; Ferrari, A.; Furman, V.; Gobel, K.; Garg, R.; Gawlik-Ramiega, A.; Gilardoni, S.; Goncalves, I. F.; Gonzalez-Romero, E.; Guerrero, C.; Gusing, F.; Harada, H.; Heinitz, S.; Heyse, J.; Jenkins, D. G.; Junghans, A.; Kappeler, F.; Kadi, Y.; Kimura, A.; Knapova, I.; Kokkoris, M.; Kopatch, Y.; Krucka, M.; Kurtulgil, D.; Ladarescu, I.; Lederer-Woods, C.; Leeb, H.; Leredegui-Marcoz, J.;

- Lonsdale, S. J.; Macina, D.; Martinez, T.; Masi, A.; Mastinu, P.; Mastromarco, M.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Michalopoulou, V.; Milazzo, P. M.; Mingrone, F.; Moreno-Soto, J.; Musumarra, A.; Negret, A.; Ogallar, F.; Oprea, A.; Patronis, N.; Pavlik, A.; Perkowski, J.; Petrone, C.; Piersanti, L.; Porras, I.; Praena, J.; Quesada, J. M.; Ramos-Doval, D.; Rauscher, T.; Reifarh, R.; Rochman, D.; Rubbia, C.; Sabate-Gilartez, M.; Saxena, A.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Sprung, P.; Stamatopoulos, A.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Thomas, Th.; Torres-Sanchez, P.; Tsinganis, A.; Ulrich, J.; Urlass, S.; Valenta, S.; Variale, V.; Vaz, P.; Vescovia, D.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Woods, P. J.; Wright, T.; Zugec, P.
 New insights on fission of ^{235}U induced by high energy neutrons from a new measurement at n_{TOF}
 PHYSICS LETTERS B. 860 (2025), 139213
<https://doi.org/10.1016/j.physletb.2024.139213>
95. Manti, S.; Abbene, L.; Artibani, F.; Bazzi, M.; Borghi, G.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Carminati, M.; Clozza, F.; Clozza, A.; De Paolis, L.; Del Grande, R.; Dulski, K.; Fabbietti, L.; Fiorini, C.; Friscic, I.; Iliescu, M.; Indelicato, P.; Iwasaki, M.; Khreptak, A.; Marton, J.; Moskal, P.; Ohnishi, H.; Pischicchia, K.; Principato, F.; Scordo, A.; Sgaramella, F.; Silarski, M.; Sirgh, D.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Toscano, L.; Doce, O. Vazquez; Curceanu, C.
 EXKALIBUR: Towards a Kaonic Atoms Periodic Table to Test Fundamental Interactions
 ACTA PHYSICA POLONICA A. 148 (2025), 6; ; S89-S95
<https://doi.org/10.12693/APhysPolA.148.S89>
96. Marijan, Sara; Mosner, Petr; Koudelka, Ladislav; Skoko, Zeljko; Pavic, Luka; Pisk, Jana
 Innovative approach to the catalytic effects of oxide glasses and glass-ceramics on the thermal decomposition of fatty acids
 JOURNAL OF NON-CRYSTALLINE SOLIDS. 651 (2025), 123386
<https://doi.org/10.1016/j.jnoncrysol.2025.123386>
97. Mehl, C., V; Orce, J. N.; Ngwetsheni, C.; Marevic, P.; Brown, B. A.; Holt, J. D.; Raju, M. Kumar; Lawrie, E. A.; Abrahams, K. J.; Adsley, P.; Akakpo, E. H.; Bark, R. A.; Bernier, N.; Bucher, T. D.; Yahia-Cherif, W.; Dinoko, T. S.; Ebran, J. -P.; Erasmus, N.; Jones, P. M.; Khan, E.; Kheswa, N. Y.; Khumalo, N. A.; Lawrie, J. J.; Majola, S. N. T.; Malatji, K. L.; Mavela, D. L.; Mokgolobotho, M. J.; Niksic, T.; Ntshangase, S. S.; Pesudo, V.; Rebeiro, B.; Shirinda, O.; Vretenar, D.; Wiedeking, M.
 Large quadrupole deformation in ^{20}Ne challenges rotor model and modern theory
 PHYSICAL REVIEW C. 111 (2025), 5; 54318
<https://doi.org/10.1103/PhysRevC.111.054318>

98. (n_TOF Collaboration) Michalopoulou, V.; Diakaki, M.; Kyritsis, N.; Kokkoris, M.; Vlastou, R.; Mavromatakou-Karamitsiou, M.; Eleme, Z.; Patronis, N.; Aberle, O.; Alcayne, V.; Amaducci, S.; Andrzejewski, J.; Babiano, V.; Bacak, M.; Balibrea-Correa, J.; Bernardes, A. P.; Berthoumieux, E.; Beyer, R.; Boromiza, M.; Bosnar, D.; Caamano, M.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Castelluccio, D. M.; Cerutti, F.; Cescutti, G.; Chasapoglou, S.; Chiaveri, E.; Claps, G.; Colombetti, P.; Colonna, N.; Camprini, P. Console; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Cristallo, S.; Dellmann, S. F.; Di Castro, M.; Dietz, M.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Eslami, M.; Fargier, S.; Fernandez-Dominguez, B.; Finocchiaro, P.; Furman, V.; Gandhi, A.; Garcia-Infantes, F.; Gawlik-Ramiega, A.; Gervino, G.; Gilardoni, S.; Gonzalez-Romero, E.; Goula, S.; Griesmayer, E.; Guerrero, C.; Gunsing, F.; Gustavino, C.; Heyse, J.; Hillman, W.; Jenkins, D. G.; Jericha, E.; Junghans, A.; Kadi, Y.; Kaperoni, K.; Koll, D.; Kopatch, Y.; Krticka, M.; Ladarescu, I.; Lederer-Woods, C.; Leredegui-Marco, J.; Lerner, G.; Manna, A.; Martinez, T.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mucciola, R.; Gonzalez, E. Musacchio; Musumarra, A.; Negret, A.; Pavon, J. A.; Pellegriti, M. G.; Perez-Maroto, P.; de Rada Fiol, A. Perez; Perkowski, J.; Petrone, C.; Piersanti, L.; Pirovano, E.; Plaza del Olmo, J.; Pomp, S.; Porras, I.; Praena, J.; Quesada, J. M.; Reifarth, R.; Rochman, D.; Romanets, Y.; Rooney, A.; Rubbia, C.; Sanchez-Caballero, A.; Sabate-Gilarte, M.; Scarpa, D.; Schillebeeckx, P.; Schumann, D.; Smith, A. G.; Sosnin, N. V.; Spelta, M.; Stamati, M. E.; Tagliente, G.; Tamburrino, A.; Tarifeno-Saldivia, A.; Tarrío, D.; Torres-Sanchez, P.; Tosi, S.; Tsileidakis, G.; Valenta, S.; Vaz, P.; Vecchio, G.; Vescovi, D.; Vlachoudis, V.; Wallner, A.; Weiss, C.; Woods, P. J.; Wright, T.; Zucec, P.
- Measurement of the ^{235}U fission cross section relative to the standard $^{10}\text{B}(n, \alpha)$ reaction at the CERN n_TOF facility: Results for $E_n < 2$ eV
 APPLIED RADIATION AND ISOTOPES. 226 (2025), 112063
<https://doi.org/10.1016/j.apradiso.2025.112063>
99. Mladineo, B.; Klaser, T.; Ende, M.; Popovic, J.; Loncaric, I.; Skoko, Z.
- Illustrating Extreme Negative Linear Compressibility in Thermosalient Molecular Crystals
 CRYSTAL GROWTH & DESIGN. 25 (2025), 19; ; 8196-8202
<https://doi.org/10.1021/acs.cgd.5c01043>
100. Najev, A.; Somun, N.; Spaic, M.; Khayr, I.; Greven, M.; Klein, A.; Gastiasoro, M. N.; Pelc, D.
- Electronic spin susceptibility in metallic strontium titanate
 NPJ QUANTUM MATERIALS. 10 (2025), 1; 4
<https://doi.org/10.1038/s41535-024-00722-7>
101. Opancar, A.; Ondrackova, P.; Rose, D. S.; Trajlinek, J.; Đerek, V.; Glowacki, E. D.
- The same biophysical mechanism is involved in both temporal interference and direct kHz stimulation of peripheral nerves
 NATURE COMMUNICATIONS. 16 (2025), 1; 9006
<https://doi.org/10.1038/s41467-025-64059-w>

102. Osborn, Raymond; Pelc, Damjan; Krogstad, Matthew J.; Rosenkranz, Stephan; Greven, Martin
Diffuse scattering from correlated electron systems
SCIENCE ADVANCES. 11 (2025), 7; eadt7770
<https://doi.org/10.1126/sciadv.adt7770>
103. Paar, D.; Bijelic, M.; Husar, M.; Buljan, H.; Poljak, N.
Ampère's law for specially designed axially symmetric steady currents: an educational perspective
EUROPEAN JOURNAL OF PHYSICS. 46 (2025), 6; 65203
<https://doi.org/10.1088/1361-6404/ae0bc8>
104. Paar, Dalibor; Franciskovic-Bilinski, Stanislav; Buzjak, Nenad; Maldini, Kresimir
New Insight into Geochemistry and Mineralogy of Deep Caves in Croatian Karst and Its Implications for Environmental Impacts
WATER. 17 (2025), 7; 1001
<https://doi.org/10.3390/w17071001>
105. Pascu, S.; Yuksel, E.; Abhishek; Stevenson, P.; Bhat, G. H.; Mao, R. N.; Nomura, K.; Costache, C.; Li, Z. P.; Marginean, N.; Mihai, C.; Naz, T.; Paar, N.; Podolyak, Zs.; Regan, P. H.; Turturica, A. E.; Borcea, R.; Boromiza, M.; Bucurescu, D.; Calinescu, S.; Clisu, C.; Coman, A.; Dinescu, I.; Doshi, S.; Filipescu, D.; Florea, N. M.; Gandhi, A.; Gheorghe, I.; Ionescu, A.; Lica, R.; Marginean, R.; Mihai, R. E.; Mitu, A.; Nazir, N.; Negret, A.; Nita, C. R.; O'Sullivan, E. B.; Petrone, C.; Poulton, S. E.; Sheikh, J. A.; Singh, H. K.; Stan, L.; Toma, S.; Turturica, G.; Ujeniuc, S.
Collective excitations in 150Gd
PHYSICAL REVIEW C. 111 (2025), 3; 034302
<https://doi.org/10.1103/PhysRevC.111.034302>
106. Patronis, N.; Mengoni, A.; Colonna, N.; Cecchetto, M.; Lerendegui-Marco, J.; Aberle, O.; Domingo-Pardo, C.; Gervino, G.; Stamati, M. E.; Goula, S.; Bernardes, A. P.; Mastromarco, M.; Manna, A.; Vlastou, R.; Massimi, C.; Calviani, M.; Alcayne, V.; Altieri, S.; Amaducci, S.; Andrzejewski, J.; Babiano-Suarez, V.; Bacak, M.; Balibrea, J.; Beltrami, C.; Bennett, S.; Berthoumieux, E.; Boromiza, M.; Bosnar, D.; Caamano, M.; Calvino, F.; Cano-Ott, D.; Casanovas, A.; Cerutti, F.; Cescutti, G.; Chasapoglou, S.; Chiaveri, E.; Colombetti, P.; Camprini, P. Console; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Cristallo, S.; Dellmann, S.; Di Castro, M.; Di Maria, S.; Diakaki, M.; Dietz, M.; Dressler, R.; Dupont, E.; Duran, I.; Eleme, Z.; Fargier, S.; Fernandez, B.; Fernandez-Dominguez, B.; Finocchiaro, P.; Fiore, S.; Furman, V.; Garcia-Infantes, F.; Gawlik-Ramiega, A.; Gilardoni, S.; Gonzalez-Romero, E.; Guerrero, C.; Gunsing, F.; Gustavino, C.; Heyse, J.; Hillman, W.; Jenkins, D. G.; Jericha, E.; Junghans, A.; Kadi, Y.; Kaperoni, K.; Kaur, G.; Kimura, A.; Knapova, I.; Kokkoris, M.; Kopatch, Y.; Krticka, M.; Kyritsis, N.; Ladarescu, I.; Lederer-Woods, C.; Lerner, G.; Martinez, T.; Masi, A.; Mastinu, P.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Michalopoulou, V.; Milazzo, P. M.; Mucciola, R.; Murtas, F.; Musacchio-Gonzalez, E.; Musumarra, A.; Negret, A.; de Rada, A. Perez; Perez-Maroto, P.; Pavon-Rodriguez, J. A.; Pellegriti, M. G.; Perfetto, G.; Perkowski, J.; Petrone, C.;

- Pirovano, E.; Plaza, J.; Pomp, S.; Porras, I.; Praena, J.; Quesada, J. M.; Reifarh, R.; Rochman, D.; Romanets, Y.; Rubbia, C.; Sanchez, A.; Sabate-Gilarte, M.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Sturniolo, A.; Tagliente, G.; Saldivia, A. Tarifeno; Tarrío, D.; Torres-Sanchez, P.; Urlass, S.; Vagena, E.; Valenta, S.; Variale, V.; Vaz, P.; Vecchio, G.; Vescovi, D.; Vlachoudis, V.; Wallner, T.; Woods, P. J.; Wright, T.; Zarrella, R.; Zugec, P.
The CERN n_TOF NEAR station for astrophysics- and application-related neutron activation measurements
EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 9; 215
<https://doi.org/10.1140/epja/s10050-025-01674-7>
107. Pavon-Rodríguez, J. A.; Lerendegui-Marco, J.; Manna, A.; Amaducci, S.; Sabate-Gilarte, M.; Musacchio-Gonzalez, E.; Bacak, M.; Alcayne, V.; Cortes-Giraldo, M. A.; Vlachoudis, V.; Zarrella, R.; Garcia-Infantes, F.; Casanovas, A.; Stamati, M. E.; Patronis, N.; Tassan-Got, L.; Quesada, J. M.; Aberle, O.; Altieri, S.; Es-Sghir, H. Amar; Andrzejewski, J.; Babiano-Suarez, V.; Balibrea, J.; Barbagallo, M.; Bennett, S.; Bernardes, A. P.; Berthoumieux, E.; Bosnar, D.; Busso, M.; Caamano, M.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Castelluccio, D. M.; Cerutti, F.; Cescutti, G.; Chasapoglou, S.; Chiaveri, E.; Colombetti, P.; Colonna, N.; Console Camprini, P. C.; Cortes, G.; Cosentino, L.; Cristallo, S.; Di Castro, M.; Diacono, D.; Diakaki, M.; Dietz, M.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Eleme, Z.; Fargier, S.; Fernandez-Dominguez, B.; Finocchiaro, P.; Fiore, S.; Furman, V.; Gawlik-Ramiega, A.; Gervino, G.; Gilardoni, S.; Gonzalez-Romero, E.; Goula, S.; Guerrero, C.; Günsing, F.; Gustavino, C.; Heyse, J.; Jenkins, D. G.; Jericha, E.; Junghans, A.; Kadi, Y.; Katabuchi, T.; Knapova, I.; Kokkoris, M.; Kopatch, Y.; Krlicka, M.; Kurtulgil, D.; Ladarescu, I.; Lederer-Woods, C.; Le Naour, C.; Lerner, G.; Martinez, T.; Massara, A.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Matteucci, F.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Michalopoulou, V.; Milazzo, P. M.; Mucciola, R.; Murtas, F.; Musumarra, A.; Negret, A.; Oprea, A.; Perez-Maroto, P.; Pellegriti, M. G.; Perkowski, J.; Petrone, C.; Piersanti, L.; Pirovano, E.; Pomp, S.; Porras, I.; Praena, J.; Protti, N.; Rauscher, T.; Reifarh, R.; Rochman, D.; Romanets, Y.; Romano, F.; Rubbia, C.; Sanchez, A.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Spelta, M.; Tagliente, G.; Tarifeno-Saldivia, A.; Tarrío, D.; Terranova, N.; Torres-Sanchez, P.; Urlass, S.; Valenta, S.; Variale, V.; Vaz, P.; Vescovi, D.; Vlastou, R.; Wallner, A.; Woods, P. J.; Wright, T.; Zugec, P.
Characterisation of the neutron beam in the n_TOF-EAR2 experimental area at CERN following the spallation target upgrade
EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 12; 277
<https://doi.org/10.1140/epja/s10050-025-01727-x>
108. Peluso, Giorgia; Vulcani, Benedetta; Radovich, Mario; Moretti, Alessia; Poggianti, Bianca M.; Watson, Peter; Acharyya, Ayan; Lassen, Augusto E.; Gullieuszik, Marco; Fritz, Jacopo; Ignesti, Alessandro; Tomcic, Neven; Delvecchio, Ivan; Khoram, Amir H.
The interplay between active galactic nuclei and ram pressure stripping: spatially resolved gas-phase abundances of stripped and undisturbed galaxies
ASTRONOMY & ASTROPHYSICS. 701 (2025), A29
<https://doi.org/10.1051/0004-6361/202453370>

109. Penayo, Bautista; Pribicevic, Vedrana; Novak, Andrej
Financial asset allocation strategies using statistical and Machine Learning Models: Evidence from comprehensive scenario testing
APPLIED SOFT COMPUTING. 177 (2025), 113193
<https://doi.org/10.1016/j.asoc.2025.113193>
110. Podgorska, Karolina; Gala, Mateusz A.; Komedera, Kamila; Muniraju, N. K. Chogondahalli; Nasrallah, Serena; Kakol, Zbigniew; Sabol, Joseph; Marin, Christophe; Wlodek, Adam; Kozlowski, Andrzej; Lorenzo, J. Emilio; Barisic, Neven; Rybicki, Damian; Tabis, Wojciech
Correlation between magnetism and the Verwey transition in magnetite
PHYSICAL REVIEW B. 111 (2025), 24; 245161
<https://doi.org/10.1103/yn1s-3hv3>
111. Poggianti, Bianca M.; Vulcani, Benedetta; Tomicic, Neven; Moretti, Alessia; Gullieuszik, Marco; Bacchini, Cecilia; Fritz, Jacopo; George, Koshy; Gitti, Myriam; Ignesti, Alessandro; Jaffe, Yara; Lassen, Augusto; Marasco, Antonino; Radovich, Mario; Serra, Paolo; Smith, Rory; Tonnesen, Stephanie; Wolter, Anna
The MUSE view of ram pressure stripped galaxies in clusters: The GASP sample
ASTRONOMY & ASTROPHYSICS. 699 (2025), A357
<https://doi.org/10.1051/0004-6361/202554200>
112. Poljak, Nikola; Dulcic, Antonije; Milin, Matko; Pozek, Miroslav
Electric charge inside a metal sphere with a small opening
EUROPEAN JOURNAL OF PHYSICS. 46 (2025), 6; 65204
<https://doi.org/10.1088/1361-6404/ae189c>
113. Poljak, Nikola; Dulcic, Antonije; Milin, Matko; Pozek, Miroslav
On the determination of divergence and curl from graphical representations
EUROPEAN JOURNAL OF PHYSICS. 46 (2025), 4; 45202
<https://doi.org/10.1088/1361-6404/addc1e>
114. Popov, Nina; Marijan, Sara; Pavic, Luka; Miljanic, Snezana; Zadro, Kreso; Krehula, Ljerka Kratofil; Homonnay, Zoltan; Kuzmann, Erno; Kubuki, Shiro; Ibrahim, Ahmed; Krehula, Stjepko
Influence of Al³⁺ ions on the direct hydrothermal formation and properties of hematite (α -Fe₂O₃) nanorods
JOURNAL OF ALLOYS AND COMPOUNDS. 1018 (2025), 179223
<https://doi.org/10.1016/j.jallcom.2025.179223>
115. Posaric, Laura; Palinkas, Sabina Strmic; Hilmo, Johan; Fiket, Zeljka; Cobic, Andrea; Fajkovic, Hana
Lithology as a factor for the distribution of metals in stream sediments associated with sediment-hosted Cu deposits: a case study from the Alta-Kvænangen tectonic window, northern Norway
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH. 47 (2025), 4; 97
<https://doi.org/10.1007/s10653-025-02387-y>

116. Radic, D.; Gorelik, L. Y.; Kulinich, S. I.; Shekhter, R. I.
Quantum-nanomechanical switch for quantum communication facilitated by the charge qubit
LOW TEMPERATURE PHYSICS. 51 (2025), 7; ; 837-844
<https://doi.org/10.1063/10.0036876>
117. Radic, Danko
Charge Density Waves in Solids-From First Concepts to Modern Insights
SYMMETRY-BASEL. 17 (2025), 7; 1135
<https://doi.org/10.3390/sym17071135>
118. Ravlic, A.; Giraud, S.; Paar, N.; Zegers, R. G. T.
Self-consistent microscopic calculations for electron captures on nuclei in core-collapse supernovae
PHYSICAL REVIEW C. 112 (2025), 3; L032801
<https://doi.org/10.1103/5r9z-ygmx>
119. Ravlic, A.; Ney, E. M.; Engel, J.; Paar, N.
Elucidating the finite temperature quasiparticle random phase approximation
EUROPEAN PHYSICAL JOURNAL A. 61 (2025), 2; 37
<https://doi.org/10.1140/epja/s10050-025-01502-y>
120. Rogic, L.; Somun, N.; Griffitt, S.; Najev, A.; Spaic, M.; Hameed, S.; Shemerliuk, Y.; Aswartham, S.; Orlita, M.; Alfonsov, A.; Pelc, D.
Cryogenic continuous-wave optical spectrometer for sub-THz frequencies
REVIEW OF SCIENTIFIC INSTRUMENTS. 96 (2025), 8; 83101
<https://doi.org/10.1063/5.0251272>
121. Rukelj, Zoran; Radic, Danko; Grbic, Mihael S.; Kupcic, Ivan
High-temperature transport properties of a two-dimensional weakly doped parabolic semiconductor
JOURNAL OF PHYSICS-CONDENSED MATTER. 37 (2025), 2; 25503
<https://doi.org/10.1088/1361-648X/ad82ca>
122. Rukelj, Zoran; Radic, Danko; Kupcic, Ivan
Memory Function of a Three-Dimensional Holstein-Like System
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. 38 (2025), 1; 75
<https://doi.org/10.1007/s10948-025-06911-0>
123. Salamakha, Leonid; Sologub, Oksana; Stoeger, Berthold; Michor, Herwig; Barisic, Neven; Rogl, Peter F.; Bauer, Ernst
New Layered Boride NiPtB_{2-x} (x=0.5) with a Ternary Derivative Structure of MoB
INORGANIC CHEMISTRY. 64 (2025), 5; ; 2282-2293
<https://doi.org/10.1021/acs.inorgchem.4c04399>

124. Serebriakova, Nadya; Tkachenko, Andrew; Johnston, Cole; Pavlovski, Kresimir; Aerts, Conny
Observational mapping of the mass discrepancy in eclipsing binaries A new self-contained framework for concurrent analysis of photometric and spectroscopic time series
ASTRONOMY & ASTROPHYSICS. 699 (2025), A304
<https://doi.org/10.1051/0004-6361/202453605>
125. Sgaramella, F.; Sirghi, D.; Toho, K.; Clozza, F.; Abbene, L.; Amsler, C.; Artibani, F.; Bazzi, M.; Borghi, G.; Bosnar, D.; Bragadireanu, M.; Buttacavoli, A.; Cagnelli, M.; Carminati, M.; Clozza, A.; 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, F.; Skurzok, M.; Spallone, A.; Toscano, L. G.; Tuechler, M.; Doce, O. Vazquez; Widmann, E.; Zmeskal, J.; Curceanu, C.
High precision X-ray spectroscopy of kaonic neon
PHYSICS LETTERS B. 865 (2025), 139492
<https://doi.org/10.1016/j.physletb.2025.139492>
126. Simunovic, Luka; Pecanic, Paula; Maric, Antun Jakob; Haramina, Tatjana; Rakic, Iva Srut; Mestrovic, Senka
Impact of various cleaning protocols on the physical and aesthetic properties of 3D-printed orthodontic aligners
SCIENTIFIC REPORTS. 15 (2025), 1; 19022
<https://doi.org/10.1038/s41598-025-04096-z>
127. Smolic, Ivica
Generalized Runcorn's theorem and crustal magnetism
EUROPEAN PHYSICAL JOURNAL PLUS. 140 (2025), 4; 282
<https://doi.org/10.1140/epjp/s13360-025-06228-w>
128. Sologub, Oksana; Salamakha, Leonid P.; Michor, Herwig; Barisic, Neven; Mudry, Stepan; Rogl, Peter F.; Bauer, Ernst
Cu-Ir-B system: Phase equilibria, crystal structure, bonding and electronic structure of compounds
JOURNAL OF SOLID STATE CHEMISTRY. 344 (2025), 125176
<https://doi.org/10.1016/j.jssc.2024.125176>
129. Steckhahn, Daniel; Fiorenza, Shane A.; Tai, Ellinor; Forth, Scott; Kramer, Peter R.; Betterton, Meredith
PRC1 resists microtubule sliding in two distinct resistive modes due to variations in the separation between overlapping microtubules
MOLECULAR BIOLOGY OF THE CELL. 36 (2025), 10; ar115
<https://doi.org/10.1091/mbc.E25-06-0288>

130. Tafra, Emil; Novosel, Nikolina; Skoko, Zeljko; Ivek, Tomislav; Basletic, Mario; Mihaljevic, Branimir; Jaglicic, Zvonko; Gongora, David Rivas; Tomic, Silvia; Hamzic, Amir; Roddatis, Vladimir; Fischgrabe, Florian; Moshnyaga, Vasily; Korin-Hamzic, Bojana; Culo, Matija
Colossal magnetoresistance effect and spin-dependent variable-range hopping in the charge ordered phase of overdoped (La, Ca)MnO₃ manganites
PHYSICAL REVIEW B. 111 (2025), 11; 115107
<https://doi.org/10.1103/PhysRevB.111.115107>
131. Tecer, Matija; Radic, Danko
Quantum Entanglement Between Charge Qubit and Mechanical Cat-States in Nanoelectromechanical System
MATHEMATICS. 13 (2025), 13; 2054
<https://doi.org/10.3390/math13132054>
132. Tokic, Nina; Cvitas, Marko T.
Tunneling Splittings in the Water Hexamer Prisms Composed of Stacked Water Trimers
JOURNAL OF PHYSICAL CHEMISTRY A. 129 (2025), 51; PMID 9890903; 11834-11847
<https://doi.org/10.1021/acs.jpca.5c06786>
133. Tokic, Nina; Erakovic, Mihael; Cvitas, Marko T.
Tunneling splittings in the energetically low-lying structural isomers of the water hexamer: the prism, the cage and the book
PHYSICAL CHEMISTRY CHEMICAL PHYSICS. 27 (2025), 14; ; 6938-6957
<https://doi.org/10.1039/d5cp00155b>
134. Tokic, Nina; Pitesa, Tomislav; Prlj, Antonio; Sapunar, Marin; Doslic, Nada
Advantages and Limitations of Landau-Zener Surface Hopping Dynamics
CROATICA CHEMICA ACTA. 97 (2025), 4;
<https://doi.org/10.5562/cca4133>
135. Tolj, Davor; Reddy, Priyanka; Zivkovic, Ivica; Aksamovic, Luka; Soh, Jian Rui; Komedera, Kamila; Bialo, Izabela; Chogondahalli Muniraju, Naveen Kumar; Ivsic, Trpimir; Novak, Mario; Zaharko, Oksana; Ritter, Clemens; LaGrange, Thomas; Tabis, Wojciech; Batistic, Ivo; Forro, Laszlo; Ronnow, Henrik M.; Sunko, Denis K.; Barisic, Neven
High-Entropy Magnetism of Murunskite
ADVANCED FUNCTIONAL MATERIALS. 35 (2025), 40;
<https://doi.org/10.1002/adfm.202500099>
136. Topic, Edi; Senjug, Pavla; Barisic, Dario; Loncaric, Ivor; Rubcic, Mirta; Pajic, Damir
Modulating magnetism in layered hybrid halocuprates(II): The role of constituting ions
INORGANIC CHEMISTRY COMMUNICATIONS. 182 (2025), 115520
<https://doi.org/10.1016/j.inoche.2025.115520>

137. Torres, Guillermo; Tkachenko, Andrew; Pavlovski, Kresimir; Gossage, Seth; Schaefer, Gail H.; Melis, Carl; Ireland, Michael; Monnier, John D.; Anugu, Narsireddy; Kraus, Stefan; Lanthermann, Cyrien; Gordon, Kathryn; Klement, Robert; Murphy, Simon J.; Roettenbacher, Rachael M.
Orbital and Physical Properties of the Pleiades Binary 27 Tau (Atlas)
ASTROPHYSICAL JOURNAL. 990 (2025), 2; 107
<https://doi.org/10.3847/1538-4357/adf224>
138. Vale, Deni; Paar, Nils
Subtracted second Tamm-Dancoff approximation in the relativistic point-coupling model
PHYSICAL REVIEW C. 112 (2025), 3; 34327
<https://doi.org/10.1103/t1db-h3nb>
139. Veselsky, M.; Petousis, V.; Koliogiannis, P. S.; Moustakidis, Ch. C.; Leja, J.
Simultaneous explanation of XTE J1814-338 and HESS J1731-347 objects using K- and K0 condensates
PHYSICAL REVIEW D. 111 (2025), 6; L061308
<https://doi.org/10.1103/PhysRevD.111.L061308>
140. Volenec, Vladimir; Kolar-super, Ruzica; Kolar-begovic, Zdenka
CONICS IN CUBIC STRUCTURE
RAD HRVATSKE AKADEMIJE ZNANOSTI I UMJETNOSTI-MATEMATICKE ZNANOSTI.
29 (2025), 564; ; 129-143
<https://doi.org/10.21857/9xn31cw8zy>
141. Vuckovic, Marija; Najev, Ana; Yu, Biqiong; Sasagawa, Takao; Bielinski, Nina; Barisic, Neven; Greven, Martin; Pelc, Damjan; Pozek, Miroslav
Cu NMR study of lightly doped La_{2-x}Sr_xCuO₄
PHYSICAL REVIEW B. 111 (2025), 18; 184509
<https://doi.org/10.1103/PhysRevB.111.184509>
142. Werle, Ariel; Poggianti, Bianca; Moretti, Alessia; Fritz, Jacopo; Vulcani, Benedetta; Bellhouse, Callum; Radovich, Mario; Gullieuszik, Marco; Marasco, Antonino; Khoram, Amir H.; Campbell, Steph; Leung, Ho-Hin; Acharyya, Ayan; Sasse, Victor Hugo; Watson, Peter J.; Tomicic, Neven; Richard, Johan
Tracing ongoing quenching in jellyfish galaxies at $z \sim 0.35$
ASTRONOMY & ASTROPHYSICS. 699 (2025), A188
<https://doi.org/10.1051/0004-6361/202453646>
143. Xiu, Ziheng; Bongiovanni, Domenico; Song, Daohong; Morandotti, Roberto; Buljan, Hrvoje; Tang, Liqin; Chen, Zhigang
Optical pulling force on Janus particles via azimuthally-polarized Bessel beams
OPTICS EXPRESS. 33 (2025), 3; ; 4625-4634
<https://doi.org/10.1364/OE.547393>

144. Zemljaka, Olivera; Golica, Danijela Lukovic; Simovica, Bojana; Podlogarc, Matejka; Senjug, Pavla; Pajic, Damir; Brankovic, Zorica; Brankovic, Goran
Co-doping of rare earth and titanium ions in yttrium manganite ceramics: impact on structural, magnetic, and ferroelectric properties
CERAMICS INTERNATIONAL. 51 (2025), 24; ; 42238-42249
<https://doi.org/10.1016/j.ceramint.2025.06.439>
145. Zgrablic, Goran; Senkic, Ana; Vidovic, Noa; Uzarevic, Krunoslav; Capeta, Davor; Brekalo, Ivana; Rakic, Mario
Building a cost-effective mechanochemical Raman system: improved spectral and time resolution for in situ reaction and rheology monitoring
PHYSICAL CHEMISTRY CHEMICAL PHYSICS. 27 (2025), 11; 5909-5920
<https://doi.org/10.1039/d4cp04757e>
146. Zhang, D. D.; Vretenar, D.; Niksic, T.; Zhao, P. W.; Meng, J.
Intrinsic spin distributions in multinucleon transfer reactions
PHYSICS LETTERS B. 869 (2025), 139828
<https://doi.org/10.1016/j.physletb.2025.139828>
147. Zhao, Yuhao; Zilberberg, Oded; Strkalj, Antonio
Aharonov-Bohm interferometer in inverted-band pn junctions
PHYSICAL REVIEW RESEARCH. 7 (2025), 2; L022030
<https://doi.org/10.1103/PhysRevResearch.7.L022030>
148. (n_TOF Collaboration) Zucec, P.; Colonna, N.; Rochman, D.; Barbagallo, M.; Andrzejewski, J.; Perkowski, J.; Ventura, A.; Bosnar, D.; Gawlik-Ramiega, A.; Sabate-Gilarte, M.; Bacak, M.; Mingrone, F.; Chiaveri, E.; Aberle, O.; Alcayne, V.; Amaducci, S.; Audouin, L.; Babiano-Suarez, V.; Bennett, S.; Berthoumieux, E.; Billowes, J.; Brown, A.; Busso, M.; Caamano, M.; Caballero-Ontanaya, L.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Cerutti, F.; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Cristallo, S.; Damone, L. A.; Davies, P. J.; Diakaki, M.; Dietz, M.; Domingo-Pardo, C.; Dressler, R.; Ducasse, Q.; Dupont, E.; Duran, I.; Eleme, Z.; Fernandez-Dominguez, B.; Ferrari, A.; Finocchiaro, P.; Furman, V.; Gobel, K.; Garg, R.; Gilardoni, S.; Goncalves, I. F.; Gonzalez-Romero, E.; Guerrero, C.; Günsing, F.; Harada, H.; Heinitz, S.; Heyse, J.; Jenkins, D. G.; Junghans, A.; Kappeler, F.; Kadi, Y.; Kimura, A.; Knapova, I.; Kokkoris, M.; Kopatch, Y.; Krlicka, M.; Kurtulgil, D.; Ladarescu, I.; Lederer-Woods, C.; Leeb, H.; Lerendegui-Marco, J.; Lonsdale, S. J.; Macina, D.; Manna, A.; Martinez, T.; Martinez-Canada, M.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Mauger, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Michalopoulou, V.; Milazzo, P. M.; Moreno-Soto, J.; Musumarra, A.; Negret, A.; Nolte, R.; Ogallar, F.; Oprea, A.; Patronis, N.; Pavlik, A.; Petrone, C.; Piersanti, L.; Pirovano, E.; Porras, I.; Praena, J.; Quesada, J. M.; Ramos, D.; Rauscher, T.; Reifarh, R.; Rubbia, C.; Saxena, A.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Sprung, P.; Stamatopoulos, A.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Tassan-Got, L.; Thomas, Th.; Torres-Sanchez, P.; Tsinganis, A.; Ulrich, J.; Urlass, S.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Vescovi, D.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Woods, P. J.; Wright, T.
Measurement of the natC(n,p) and natC(n,d) reactions from n_TOF at CERN

- PHYSICS LETTERS B. 868 (2025), 139713
<https://doi.org/10.1016/j.physletb.2025.139713>
149. Zugec, Petar; Karlusic, Marko
Energy Deposition upon Swift Heavy Ion Impact in Silicon Nanostructures and Surfaces
MATERIALS. 18 (2025), 18; 4230
<https://doi.org/10.3390/ma18184230>
150. Zugec, Petar; Sabate-Gilarte, Marta; Bacak, Michael; Vlachoudis, Vasilis; Casanovas, Adria; Garcia-Infantes, Francisco
Machine learning based parametrization of the resolution function for the first experimental area of the n_TOF facility at CERN
NUCLEAR SCIENCE AND TECHNIQUES. 36 (2025), 12; 235
<https://doi.org/10.1007/s41365-025-01820-2>
151. Zuzic, Andreja; Barisic, Dario; Macan, Jelena; Pajic, Damir
Exploring the impact of synthesis method and dopant concentration on the magnetism and magnetocaloric effect of Sr-doped lanthanum manganites
JOURNAL OF APPLIED PHYSICS. 137 (2025), 14; 143901
<https://doi.org/10.1063/5.0254536>