



Sveučilište u Zagrebu
Prirodoslovno-matematički fakultet
Fizički odsjek

ZNANSTVENE PUBLIKACIJE
FIZIČKOG ODSJEKA
2025.

ZNANSTVENE PUBLIKACIJE FIZIČKOG ODSJEKA U 2025. GODINI
(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/ls6w-x1bb>
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/10.1103/4ltm-g1qg>
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/ythr-l17b>
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.; 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.; Krück, 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.; Mauger, 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.; Mauger, 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>