



University of Zagreb
Faculty of Science
Department of Physics

SCIENTIFIC PUBLICATIONS
IN 2023

SCIENTIFIC PUBLICATIONS OF THE DEPARTMENT OF PHYSICS IN 2023.
(Web of Science Core Collection)

1. Abbene, L.; Bettelli, M.; Buttacavoli, A.; Principato, F.; Zappettini, A.; Amsler, C.; Bazzi, M.; Bosnar, D.; Bragadireanu, M.; Cargnelli, M.; Carminati, M.; Clozza, A.; Deda, G.; De Paolis, L.; Del Grande, R.; Fabbietti, L.; Fiorini, C.; Frišćić, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Miliucci, M.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Sada, Y.; Sgaramella, F.; Shi, H.; Silarski, M.; Sirghi, D. L.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Tuechler, M.; Doce, O. Vazquez; Yoshida, C.; Zmeskal, J.; Scordo, A.; Curceanu, C.
New opportunities for kaonic atoms measurements from CdZnTe detectors
EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. **232** (2023), 10; 1487-1492
DOI: <https://doi.org/10.1140/epjs/s11734-023-00881-x>
2. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L.
Transverse single-spin asymmetry of charged hadrons at forward and backward rapidity in polarized p + p, p + Al, and p + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW D. **108** (2023), 7; 072016
DOI: <https://doi.org/10.1103/PhysRevD.108.072016>
3. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, Mihael; ...; Vukman, Nikola; ...; Zou, L.
Improving constraints on gluon spin-momentum correlations in transversely polarized protons via midrapidity open-heavy-flavor electrons in $p\uparrow + p$ collisions at $\sqrt{s}=200$ GeV
PHYSICAL REVIEW D. **107** (2023), 5; 052012
DOI: <https://doi.org/10.1103/PhysRevD.107.052012>
4. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, Mihael; ...; Zou, L.
Low- p_T direct-photon production in Au + Au collisions at $\sqrt{s_{NN}}=39$ and 62.4 GeV
PHYSICAL REVIEW C. **107** (2023), 2; 024914
DOI: <https://doi.org/10.1103/PhysRevC.107.024914>

5. (PHENIX Collaboration) Abdulameer, N.J. ; ... ; Makek, Mihael ; ... ; Vukman, Nikola ; ... ; Zou, L.
Measurements of second-harmonic Fourier coefficients from azimuthal anisotropies in p + p, p + Au, d + Au, and 3He+Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICAL REVIEW C. **107** (2023), 2; 024907
DOI: <https://doi.org/10.1103/PhysRevC.107.024907>

6. (PHENIX Collaboration) Abdulameer, N. J.; ...; Makek, Mihael; ...; Zou, L.
Measurement of ϕ -meson production in Cu + Au collisions at $\sqrt{s_{NN}}=200$ GeV and U + U collisions at $\sqrt{s_{NN}}=193$ GeV
PHYSICAL REVIEW C. **107** (2023), 1; 014907
DOI: <https://doi.org/10.1103/PhysRevC.107.014907>

7. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Study of the p-p-K⁺ and p-p-K⁻ dynamics using the femtoscopy technique
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 12; 298, 14
DOI: <https://doi.org/10.1140/epja/s10050-023-01139-9>

8. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Exclusive and dissociative J/ ψ photoproduction, and exclusive dimuon production, in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
PHYSICAL REVIEW D. **108** (2023), 11; 112004
DOI: <https://doi.org/10.1103/PhysRevD.108.112004>

9. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; .Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, Nicola
Probing the chiral magnetic wave with charge-dependent flow measurements in Pb-Pb collisions at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 12; 67
DOI: [https://doi.org/10.1007/JHEP12\(2023\)067](https://doi.org/10.1007/JHEP12(2023)067)

10. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of non-prompt D⁰-meson elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 12; 1123
DOI: <https://doi.org/10.1140/epjc/s10052-023-12259-3>

11. (ALICE Collaboration) Acharya, S.; ...; Erhardt, F.; ...; Gotovac, S; ...; Karatović, D.; ...; Lončar, P.; ...; Planinić, M.; ...; Poljak, N.;...; Vicković, L.; ...; Zurlo, N.
Study of flavor dependence of the baryon-to-meson ratio in proton-proton collisions at $\sqrt{s}=13$ TeV
PHYSICAL REVIEW D. **108** (2023), 11; 112003
DOI: <https://doi.org/10.1103/PhysRevD.108.112003>

12. (ALICE Collaboration) Acharya, S.; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zugravel, S. C.
Charm production and fragmentation fractions at midrapidity in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 12; 86
DOI: [https://doi.org/10.1007/JHEP12\(2023\)086](https://doi.org/10.1007/JHEP12(2023)086)

13. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Higher-order correlations between different moments of two flow amplitudes in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV
PHYSICAL REVIEW C. **108** (2023), 5; 055203
DOI: <https://doi.org/10.1103/PhysRevC.108.055203>

14. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurements of Groomed-Jet Substructure of Charm Jets Tagged by D⁰ Mesons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV
PHYSICAL REVIEW LETTERS. **131** (2023), 19; 192301
DOI: <https://doi.org/10.1103/PhysRevLett.131.192301>

15. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of inclusive J/ψ pair production cross section in pp collisions at $\sqrt{s}=13$ TeV
PHYSICAL REVIEW C. **108** (2023), 4; 045203
DOI: <https://doi.org/10.1103/PhysRevC.108.045203>
16. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Energy dependence of coherent photonuclear production of J/ψ mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 10; 119
DOI: [https://doi.org/10.1007/JHEP10\(2023\)119](https://doi.org/10.1007/JHEP10(2023)119)
17. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the non-prompt D-meson fraction as a function of multiplicity in proton-proton collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 10; 92
DOI: [https://doi.org/10.1007/JHEP10\(2023\)092](https://doi.org/10.1007/JHEP10(2023)092)
18. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Pseudorapidity densities of charged particles with transverse momentum thresholds in pp collisions at $\sqrt{s}=5.02$ and 13 TeV
PHYSICAL REVIEW D. **108** (2023), 7; 072008
DOI: <https://doi.org/10.1103/PhysRevD.108.072008>
19. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
First measurement of prompt and non-prompt D^{*+} vector meson spin alignment in pp collisions at $\sqrt{s}=13$ TeV
PHYSICS LETTERS B. **846** (2023), 137920
DOI: <https://doi.org/10.1016/j.physletb.2023.137920>

20. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, M.; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, E.; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Photoproduction of low-pT J/ψ from peripheral to central Pb-Pb collisions at 5.02 TeV
PHYSICS LETTERS B. **846** (2023), 137467
DOI: <https://doi.org/10.1016/j.physletb.2022.137467>
21. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
f₀(980) production in inelastic pp collisions at $\sqrt{s}=5.02$ TeV
PHYSICS LETTERS B. **846** (2023), 137644
DOI: <https://doi.org/10.1016/j.physletb.2022.137644>
22. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, E.; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurement of beauty-strange meson production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV via non-prompt Ds⁺ mesons
PHYSICS LETTERS B. **846** (2023), 137561
DOI: <https://doi.org/10.1016/j.physletb.2022.137561>
23. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Mudnić, E.; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurement of the production of (anti)nuclei in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
PHYSICS LETTERS B. **846** (2023), 137795
DOI: <https://doi.org/10.1016/j.physletb.2023.137795>
24. (ALICE Collaboration) Acharya, S.; ...; Erhardt, Filip; ...; Gotovac, Sven; ...; Jerčić, Marko; ...; Karatović, David; ...; Lončar, Petra; ...; Planinić, Mirko; ...; Poljak, Nikola; ...; Vicković, Linda; ...; Zurlo, N.
Measurements of azimuthal anisotropies at forward and backward rapidity with muons in high-multiplicity p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
PHYSICS LETTERS B. **846** (2023), 137782
DOI: <https://doi.org/10.1016/j.physletb.2023.137782>

25. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Elliptic flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb and Xe-Xe collisions
PHYSICS LETTERS B. **846** (2023), 137453
DOI: <https://doi.org/10.1016/j.physletb.2022.137453>
26. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
First measurement of Ω c production in pp collisions at $\sqrt{s}=13$ TeV
PHYSICS LETTERS B. **846** (2023), 137625
DOI: <https://doi.org/10.1016/j.physletb.2022.137625>
27. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of electrons from beauty-hadron decays in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **108** (2023), 3; 34906
DOI: <https://doi.org/10.1103/PhysRevC.108.034906>
28. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the Lifetime and Λ Separation Energy of 3Λ H
PHYSICAL REVIEW LETTERS. **131** (2023), 10; 102302
DOI: <https://doi.org/10.1103/PhysRevLett.131.102302>
29. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Accessing the strong interaction between Λ baryons and charged kaons with the femtoscopy technique at the LHC
PHYSICS LETTERS B. **845** (2023), 138145
DOI: <https://doi.org/10.1016/j.physletb.2023.138145>

30. (ALICE Collaboration) Acharya, S.; ... ; Erhardt, Filip; ... ; Gotovac, Sven; ... ; Jerčić, Marko; ... ; Karatović, David; ... ; Lončar, Petra; ... ; Mudnić, Eugen; ... ; Planinić, Mirko; ... ; Poljak, Nikola; ... ; Vicković, Linda; ... ; Zurlo, N.
Multiplicity dependence of charged-particle production in pp, p-Pb, Xe-Xe and Pb-Pb collisions at the LHC
PHYSICS LETTERS B. **845** (2023), 138110
DOI: <https://doi.org/10.1016/j.physletb.2023.138110>
31. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
System-size dependence of the charged-particle pseudorapidity density at $\sqrt{s_{NN}}=5.02$ TeV for pp, p-Pb, and Pb-Pb collisions
PHYSICS LETTERS B. **845** (2023), 137730
DOI: <https://doi.org/10.1016/j.physletb.2023.137730>
32. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Azimuthal correlations of heavy-flavor hadron decay electrons with charged particles in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 8; 741
DOI: <https://doi.org/10.1140/epjc/s10052-023-11835-x>
33. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
First measurement of the A-E interaction in proton-proton collisions at the LHC
PHYSICS LETTERS B. **844** (2023), 137223
DOI: <https://doi.org/10.1016/j.physletb.2022.137223>
34. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the Λ hyperon lifetime
PHYSICAL REVIEW D. **108** (2023), 3; 32009
DOI: <https://doi.org/10.1103/PhysRevD.108.032009>

35. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Closing in on critical net-baryon fluctuations at LHC energies: Cumulants up to third order in Pb-Pb collisions
PHYSICS LETTERS B. **844** (2023), 137545
DOI: <https://doi.org/10.1016/j.physletb.2022.137545>
36. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Inclusive and multiplicity dependent production of electrons from heavy-flavour hadron decays in pp and p-Pb collisions
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 08; 6
DOI: [https://doi.org/10.1007/JHEP08\(2023\)006](https://doi.org/10.1007/JHEP08(2023)006)
37. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Performance of the ALICE Electromagnetic Calorimeter
JOURNAL OF INSTRUMENTATION. **18** (2023), 8; P08007
DOI: <https://doi.org/10.1088/1748-0221/18/08/P08007>
38. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the angle between jet axes in pp collisions at $\sqrt{s}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 7; 201
DOI: [https://doi.org/10.1007/JHEP07\(2023\)201](https://doi.org/10.1007/JHEP07(2023)201)
39. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Enhanced Deuteron Coalescence Probability in Jets
PHYSICAL REVIEW LETTERS. **131** (2023), 4; 42301
DOI: <https://doi.org/10.1103/PhysRevLett.131.042301>

40. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Inclusive photon production at forward rapidities in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 7; 661
DOI: <https://doi.org/10.1140/epjc/s10052-023-11729-y>
41. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider
PHYSICAL REVIEW LETTERS. **131** (2023), 4; 41901
DOI: <https://doi.org/10.1103/PhysRevLett.131.041901>
42. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the J/ψ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC
PHYSICAL REVIEW LETTERS. **131** (2023), 4; 42303
DOI: <https://doi.org/10.1103/PhysRevLett.131.042303>
43. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Production of K_S^0 , Λ (Λ), Ξ^\pm , and Ω^\pm in jets and in the underlying event in pp and p-Pb collisions
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 7; 136
DOI: [https://doi.org/10.1007/JHEP07\(2023\)136](https://doi.org/10.1007/JHEP07(2023)136)
44. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
 J/ψ production at midrapidity in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 7; 137
DOI: [https://doi.org/10.1007/JHEP07\(2023\)137](https://doi.org/10.1007/JHEP07(2023)137)

45. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Symmetry plane correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 7; 576
DOI: <https://doi.org/10.1140/epjc/s10052-023-11658-w>
46. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ... ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Towards the understanding of the genuine three-body interaction for p-p-p and p-p- Λ
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 7; 145
DOI: <https://doi.org/10.1140/epja/s10050-023-00998-6>
47. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ... ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić, Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Multiplicity and rapidity dependence of $K^*(892)0$ and $\phi(1020)$ production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 6; 540
DOI: <https://doi.org/10.1140/epjc/s10052-023-11449-3>
48. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ... ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić, Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Measurement of $(2S)$ production as a function of charged-particle pseudorapidity density in pp collisions at $\sqrt{s}=13$ TeV and p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV with ALICE at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 6; 147
DOI: [https://doi.org/10.1007/JHEP06\(2023\)147](https://doi.org/10.1007/JHEP06(2023)147)
49. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Study of charged particle production at high pT using event topology in pp, p-Pb and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **843** (2023), 137649
DOI: <https://doi.org/10.1016/j.physletb.2022.137649>

50. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=5.02$ and 13 TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 6; 133
DOI: [https://doi.org/10.1007/JHEP06\(2023\)133](https://doi.org/10.1007/JHEP06(2023)133)
51. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Jet-like correlations with respect to K_S⁰ and Λ (Λ^-) in pp and central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 6; 497
DOI: <https://doi.org/10.1140/epjc/s10052-023-11614-8>
52. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Light (anti)nuclei production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **107** (2023), 6; 64904
DOI: <https://doi.org/10.1103/PhysRevC.107.064904>
53. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Production of pions, kaons, and protons as a function of the relative transverse activity classifier in pp collisions at $\sqrt{s}=13$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 6; 27
DOI: [https://doi.org/10.1007/JHEP06\(2023\)027](https://doi.org/10.1007/JHEP06(2023)027)
54. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Underlying-event properties in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 6; 23
DOI: [https://doi.org/10.1007/JHEP06\(2023\)023](https://doi.org/10.1007/JHEP06(2023)023)

55. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Dielectron production at midrapidity at low transverse momentum in peripheral and semi-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 6; 24
DOI: [https://doi.org/10.1007/JHEP06\(2023\)024](https://doi.org/10.1007/JHEP06(2023)024)
56. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Neutron emission in ultraperipheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **107** (2023), 6; 064902
DOI: <https://doi.org/10.1103/PhysRevC.107.064902>
57. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
First measurement of Λ_c^+ production down to $p_T=0$ in pp and p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICAL REVIEW C. **107** (2023), 6; 064901
DOI: <https://doi.org/10.1103/PhysRevC.107.064901>
58. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić, Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Measurements of the groomed jet radius and momentum splitting fraction with the soft drop and dynamical grooming algorithms in pp collisions at $\sqrt{s}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 5; 244
DOI: [https://doi.org/10.1007/JHEP05\(2023\)244](https://doi.org/10.1007/JHEP05(2023)244)
59. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Anisotropic flow and flow fluctuations of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 5; 243
DOI: [https://doi.org/10.1007/JHEP05\(2023\)243](https://doi.org/10.1007/JHEP05(2023)243)

60. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen; ...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Measurement of inclusive and leading subjet fragmentation in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 5; 245
DOI: [https://doi.org/10.1007/JHEP05\(2023\)245](https://doi.org/10.1007/JHEP05(2023)245)
61. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Two-particle transverse momentum correlations in pp and p-Pb collisions at energies available at the CERN Large Hadron Collider
PHYSICAL REVIEW C. **107** (2023), 5; 54617
DOI: <https://doi.org/10.1103/PhysRevC.107.054617>
62. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV at the CERN Large Hadron Collider
PHYSICAL REVIEW C. **107** (2023), 5; L051901
DOI: <https://doi.org/10.1103/PhysRevC.107.L051901>
63. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; ... ; Mudnić, Eugen; ...; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
 W^{\pm} -boson production in p-Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV and Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 5; 36
DOI: [https://doi.org/10.1007/JHEP05\(2023\)036](https://doi.org/10.1007/JHEP05(2023)036)
64. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Investigation of $K + K^-$ interactions via femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV at the CERN Large Hadron Collider
PHYSICAL REVIEW C. **107** (2023), 5; 054904, 16
DOI: <https://doi.org/10.1103/PhysRevC.107.054904>

65. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić, Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
 $\Sigma(1385)\pm$ resonance production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 5; 351
DOI: <https://doi.org/10.1140/epjc/s10052-023-11475-1>
66. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić, Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Constraining the KN coupled channel dynamics using femtosopic correlations at the LHC
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 4; 340
DOI: <https://doi.org/10.1140/epjc/s10052-023-11476-0>
67. (ALICE Collaboration) Acharya, S.;...; Erhardt, Filip;...; Gotovac, Sven;...; Jerčić, Marko;...; Karatović, David;...; Lončar, Petra;...; Mudnić, Eugen;...; Planinić, Mirko;...; Poljak, Nikola;...; Vicković, Linda;...; Zurlo, N.
Constraining hadronization mechanisms with $\Lambda+c/D0$ production ratios in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV
PHYSICS LETTERS B. **839** (2023), 137796
DOI: <https://doi.org/10.1016/j.physletb.2023.137796>
68. (ALICE Collaboration) Acharya, S. ; ... ; Erhardt, Filip ; ... ; Gotovac, Sven ; ... ; Jerčić, Marko ; ... ; Karatović, David ; ... ; Lončar, Petra ; ... ; Mudnić Eugen ; ... ; Planinić, Mirko ; ... ; Poljak, Nikola ; ... ; Vicković, Linda ; ... ; Zurlo, N.
Inclusive quarkonium production in pp collisions at $\sqrt{s}=5.02$ TeV
EUROPEAN PHYSICAL JOURNAL C. **83** (2023), 1; 61
DOI: <https://doi.org/10.1140/epjc/s10052-022-10896-8>
69. (ALICE Collaboration) Acharya, S.; ... ; Erhardt, F.; ... ; Gotovac, S.; ... ; Jerčić, M.; ... ; Karatović, D.; ... ; Lončar, P.; ... ; Mudnić, E.; ... ; Planinić, M.; ... ; Poljak, N.; ... ; Vicković, L.; ... Zurlo, N..
Measurement of anti- ^3He nuclei absorption in matter and impact on their propagation in the Galaxy
NATURE PHYSICS. **19** (2023), 1; 61-71
DOI: <https://doi.org/10.1038/s41567-022-01804-8>

70. Agodi, C.; Cappuzzello, F.; Cardella, G.; Cirrone, G. A. P.; De Filippo, E.; Di Pietro, A.; Gargano, A.; La Cognata, M.; Mascali, D.; Milluzzo, G.; Nania, R.; Petringa, G.; Pidotella, A.; Pirrone, S.; Pizzone, R. G.; Rapisarda, G. G.; Sergi, M. L.; Tudisco, S.; Valiente-Dobon, J. J.; Vardaci, E.; Abramczyk, H.; Acosta, L.; Adsley, P.; Amaducci, S.; Banerjee, T.; Batani, D.; Bellone, J.; Bertulani, C.; Biri, S.; Bogachev, A.; Bonanno, A.; Bonasera, A.; Borcea, C.; Borghesi, M.; Bortolussi, S.; Boscolo, D.; Brischetto, G. A.; Burrello, S.; Busso, M.; Calabrese, S.; Calinescu, S.; Calvo, D.; Capirossi, V.; Carbone, D.; Cardinali, A.; Casini, G.; Catalano, R.; Cavallaro, M.; Ceccuzzi, S.; Celona, L.; Cherubini, S.; Chieffi, A.; Ciraldo, I.; Ciullo, G.; Colonna, M.; Cosentino, L.; Cuttone, G.; D'Agata, G.; De Gregorio, G.; Degl'Innocenti, S.; Delaunay, F.; Di Donato, L.; Di Nitto, A.; Dickel, T.; Doria, D.; Ducret, J. E.; Durante, M.; Esposito, J.; Farrokhi, F.; Fernandez Garcia, J. P.; Figuera, P.; Fisichella, M.; Fulop, Z.; Galata, A.; Galaviz Redondo, D.; Gambacurta, D.; Gammino, S.; Geraci, E.; Gizzi, L.; Gnoffo, B.; Groppi, F.; Guardo, G. L.; Guarrera, M.; Hayakawa, S.; Horst, F.; Hou, S. Q.; Jarota, A.; Jose, J.; Kar, S.; Karpov, A.; Kierzkowska-Pawlak, H.; Kiss, G. G.; Knyazheva, G.; Koivisto, H.; Koop, B.; Kozulin, E.; Kumar, D.; Kurmanova, A.; La Rana, G.; Labate, L.; Lamia, L.; Lanza, E. G.; Lay, J. A.; Lattuada, D.; Lenske, H.; Limongi, M.; Lipoglavsek, M.; Lombardo, I.; Mairani, A.; Manetti, S.; Marafini, M.; Marcucci, L.; Margarone, D.; Martorana, N. S.; Maunoury, L.; Mauro, G. S.; Mazzaglia, M.; Mein, S.; Mengoni, A.; Milin, M.; Mishra, B.; Mou, L.; Mrazek, J.; Nadtochy, P.; Naselli, E.; Nicolai, P.; Novikov, K.; Oliva, A. A.; Pagano, A.; Pagano, E. V.; Palmerini, S.; Papa, M.; Parodi, K.; Patera, V.; Pellumaj, J.; Petrone, C.; Piantelli, S.; Pierroutsakou, D.; Pinna, F.; Politi, G.; Postuma, I.; Prajapati, P.; Prada Moroni, P. G.; Pupillo, G.; Raffestin, D.; Racz, R.; Reidel, C. -A.; Rifuggiato, D.; Risitano, F.; Rizzo, F.; Roca Maza, X.; Romano, S.; Roso, L.; Rotaru, F.; Russo, A. D.; Russotto, P.; Saiko, V.; Santonocito, D.; Santopinto, E.; Sarri, G.; Sartirana, D.; Schuy, C.; Sgouros, O.; Simonucci, S.; Sorbello, G.; Soukeras, V.; Sparta, R.; Spatafora, A.; Stanoiu, M.; Taioli, S.; Tessonier, T.; Thierolf, P.; Tognelli, E.; Torresi, D.; Torrisi, G.; Trache, L.; Traini, G.; Trimarchi, M.; Tsikata, S.; Tumino, A.; Tyczkowski, J.; Yamaguchi, H.; Vercesi, V.; Vidana, I.; Volpe, L.; Weber, U.

Nuclear physics midterm plan at LNS

EUROPEAN PHYSICAL JOURNAL +. **138** (2023), 11; 1038

DOI: <https://doi.org/10.1140/epjp/s13360-023-04358-7>

71. (ALICE TPC Collaboration) Alme, J.; Alt, T.; Andrei, C.; Anguelov, V.; Appelshaeuser, H.; Arslandok, M.; Barnafoldi, G. G.; Bartsch, E.; Becht, P.; Bellwied, R.; Berdnikova, A.; Bialas, N.; Bialas, P.; Biswas, S.; Blidaru, B.; Boldizar, L.; Bratrud, L.; Braun-Munzinger, P.; Bregant, M.; Britton, C. L.; Brucker, S.; Brucken, E. J.; Buesching, H.; Soto Camacho, R.; Castro, A. J.; Chatzidaki, P.; Christiansen, P.; Clonts, L. G.; Cormier, T. M.; Dhankher, P.; Dittrich, S.; Ehlers, R.; Ericson, M. N.; Ezell, N. B.; Fabbietti, L.; Flor, F.; Gaardhje, J. J.; Munhoz, M. G.; Garabatos, C.; Gasik, P.; Geiger, T.; Gera, A.; Glaessel, P.; Goh, D. J. Q.; Grein, A.; Gundem, T.; Gunji, T.; Habib, M.; Hamagaki, H.; Hamar, G.; Hansen, J. C.; Harris, J. W.; Hauer, P.; Hayashi, S.; Hehner, J.; Heino, J. K.; Hellbaer, E.; Helstrup, H.; Hemmer, M.; Herghelegiu, A.; Hernandez, R. A.; Herrera, H. D. Hernandez; Hilden, T. E.; Hughes, C.; Hummel, S.; Ivanov, M.; Jaeger, J.; Jung, J.; Jung, M.; Kangasaho, E.; Ketzer, B.; Kirsch, S.; Kleiner, M.; Klemenz, T.; Knospe, A. G.; Kowalski, M.; Kreis, L.; Krueger, M.; Kupfer, N.; Lang, R.; Lautner, L.; Lesch, M.; Lesenechal, Y.; Liebske, F.; Lippmann, C.; Majka, R. D.; Markert, C.; Martins, T. A.; Masciocchi, S.; Matonoha, O.; Matyja, A.; Meres, M.; Mihaylov, D. L.; Miskowiec, D.; Mittelstaedt, T.; Mordasini, C.; Morhardt, T.; Muley, S.; Mulligan, J.; Munzer, R. H.; Murakami, H.; Muenning, K.; Nassirpour, A.; Natrass, C.; Nielsen, B. S.; Noiye, W. A. V.; Ogino, M.; Da Silva, A. C. Oliveira; Oskarsson, A.; Oyama, K.; Onnerstad, A.; Osterman, L.; Pachmayer, Y.; Paic, G.; Patra, R. N.; Peskov, V.; Petris, M.; Petrovici, M.; Planinić, M.; Prodan, L.; Radu, A.; Rason, J.; Read, K. F.; Rehman, A.; Renfordt, R.; Red, K.; Rohrich, D.; Rubio, E.; Rusu, A.; Sanches, B. C. S.; Schambach, J.; Scheid, S.; Schmidt, C.; Schmier, A.; Schweda, K.; Sekihata, D.; Siebig, S.; Silva, R. W. D.; Silvermyr, D.; Sitar, B.; Smirnov, N.; Soltveit, H. K.; Sorensen, S. P.; Stachel, J.; Serksnyte, L.; Tambave, G.; Ullaland, K.; Ulukutlu, B.; Varga, D.; Rueda, O. Vazquez; Velure, A.; Vergara Limon, S.; Vorbach, O.; Voss, B.; Weidlich, C.; Wiechula, J.; Windelband, B.; Winkler, S.

Correction of the baseline fluctuations in the GEM-based ALICE TPC

JOURNAL OF INSTRUMENTATION. **18** (2023), 11; P11021

DOI: <https://doi.org/10.1088/1748-0221/18/11/P11021>

72. Bach, Mirjana Pejic; Ivec, Arian; Hrman, Danijela

Industrial Informatics: Emerging Trends and Applications in the Era of Big Data and AI
ELECTRONICS. **12** (2023), 10; 2238

DOI: <https://doi.org/10.3390/electronics12102238>

73. Ban, Ivana; Tomašić, Lucija; Trakala, Marianna; Tolić, Iva M.; Pavin, Nenad

Proliferative advantage of specific aneuploid cells drives evolution of tumor karyotypes
BIOPHYSICAL JOURNAL. **122** (2023), 4; 632-645

DOI: <https://doi.org/10.1016/j.bpj.2023.01.017>

74. Batelić, Mateja; Stipčević, Mario
Stochastic Adder Circuits with Improved Entropy Output
ENTROPY. **25** (2023), 12; 1592
DOI: <https://doi.org/10.3390/e25121592>
75. Behiri, Meriem; Talia, Margherita; Cimatti, Andrea; Lapi, Andrea; Massardi, Marcella; Enia, Andrea; Vignali, Cristian; Bethermin, Matthieu; Faisst, Andreas; Gentile, Fabrizio; Giulietti, Marika; Gruppioni, Carlotta; Pozzi, Francesca; Smolčić, Vernesa; Zamorani, Gianni
Illuminating the Dark Side of Cosmic Star Formation. II. A Second Date with RS-NIRdark Galaxies in COSMOS
ASTROPHYSICAL JOURNAL. **957** (2023), 2; 63
DOI: <https://doi.org/10.3847/1538-4357/acf616>
76. Benić, Sanjin; Horvatić, Davor; Kaushik, Abhiram; Vivoda, Eric Andreas
Exclusive $n\bar{c}$ production from small-x evolved Odderon at an electron-ion collider
PHYSICAL REVIEW D. **108** (2023), 7; 74005
DOI: <https://doi.org/10.1103/PhysRevD.108.074005>
77. Bermanec, Marko; Vidović, Noa; Gavryliv, Liubomyr; Morrison, Shaunna M.; Hazen, Robert M.
Evolution of symmetry index in minerals
GEOSCIENCE DATA JOURNAL. **11** (2024), 1; 69-85
DOI: <https://doi.org/10.1002/gdj3.177>

78. (Hall C Collaboration) Yero, C; Bhetuwal, D.; Matter, J.; Szumila-Vance, H.; Gayoso, C. Ayerbe; Kabir, M. L.; Dutta, D.; Ent, R.; Abrams, D.; Ahmed, Z.; Aljawrneh, B.; Alsalmi, S.; Ambrose, R.; Androić, D.; Armstrong, W.; Asaturyan, A.; Assumin-Gyimah, K.; Bandari, A.; Basnet, S.; Berdnikov, V.; Bhatt, H.; Biswas, D.; Boeglin, W. U.; Bosted, P.; Brash, E.; Bukhari, M. H. S.; Chen, H.; Chen, J. P.; Chen, M.; Christy, E. M.; Covrig, S.; Craycraft, K.; Danagouliau, S.; Day, D.; Diefenthaler, M.; Dlamini, M.; Dunne, J.; Duran, B.; Evans, R.; Fenker, H.; Fomin, N.; Fuchey, E.; Gaskell, D.; Gautam, T. N.; Gonzalez, F. A.; Hansen, J. O.; Hauenstein, F.; Hernandez, A.; Horn, T.; Huber, G. M.; Jones, M. K.; Joosten, S.; Karki, A.; Keppel, C.; Khanal, A.; King, P. M.; Kinney, E.; Ko, H. S.; Kohl, M.; Lashley-Colthirst, N.; Li, S.; Li, W. B.; Liyanage, A. H.; Mack, D.; Malace, S.; Markowitz, P.; Meekins, D.; Michaels, R.; Mkrtchyan, A.; Mkrtchyan, H.; Nazeer, S. J.; Nanda, S.; Niculescu, G.; Niculescu, I.; Nguyen, D.; Nuruzzaman; Pandey, B.; Park, S.; Pooser, E.; Puckett, A.; Reh fuss, M.; Reinhold, J.; Santiesteban, N.; Sawatzky, B.; Smith, G. R.; Sun, A.; Tadevosyan, V.; Trotta, R.; Wood, S. A.; Zhang, J.
Constraints on the onset of color transparency from quasielastic $12C(e, e'p)$ up to $Q^2=14.2$ (GeV/c)²
PHYSICAL REVIEW C. **108** (2023), 2; 25203
DOI: <https://doi.org/10.1103/PhysRevC.108.025203>
79. Bokulić, Ana; Smolić, Ivica
Generalizations and challenges for the spacetime block-diagonalization
CLASSICAL AND QUANTUM GRAVITY. **40** (2023), 16; 165010
DOI: <https://doi.org/10.1088/1361-6382/ace589>
80. Bossini, D.; Juraschek, D. M.; Geilhufe, R. M.; Nagaosa, N.; Balatsky, A., V; Milanovic, M.; Srdic, V. V.; Senjug, P.; Topic, E.; Barišić, D.; Rubcic, M.; Pajić, D.; Arima, T.; Savoini, M.; Johnson, S. L.; Davies, C. S.; Kirilyuk, A.
Magnetoelectrics and multiferroics: theory, synthesis, characterisation, preliminary results and perspectives for all-optical manipulations
JOURNAL OF PHYSICS D-APPLIED PHYSICS. **56** (2023), 27; 273001
DOI: <https://doi.org/10.1088/1361-6463/acc8e1>
81. Brewer, N. T.; Wang, E. H.; Yzaguirre, W. A.; Hamilton, J. H.; Nomura, K.; Ramayya, A. V.; Liu, S. H.; Hwang, J. K.; Musangu, B. M.; Eldridge, J. M.; Zachary, C. J.; Luo, Y. X.; Rasmussen, J. O.; Zhu, S. J.; Goodin, C.; Ter-Akopian, G. M.; Daniel, A. V.; Oganessian, Yu. Ts.
Octupole deformation in ¹⁴³, ¹⁴⁵, ¹⁴⁶Ba
NUCLEAR PHYSICS A. **1039** (2023), 122738
DOI: <https://doi.org/10.1016/j.nuclphysa.2023.122738>

82. Burkert, V. D.; Elouadrhiri, L.; Afanasev, A.; Arrington, J.; Contalbrigo, M.; Cosyn, W.; Deshpande, A.; Glazier, D. I.; Ji, X.; Liuti, S.; Oh, Y.; Richards, D.; Satogata, T.; Vossen, A.; Abdolmaleki, H.; Albataineh, A.; Aidala, C. A.; Alexandrou, C.; Avagyan, H.; Bacchetta, A.; Baker, M.; Benmokhtar, F.; Bernauer, J. C.; Bissolotti, C.; Briscoe, W.; Byers, D.; Cao, Xu; Carlson, C. E.; Cichy, K.; Cloet, I. C.; Cocuzza, C.; Cole, P. L.; Constantinou, M.; Courtoy, A.; Dahiyah, H.; Dehmelt, K.; Diehl, S.; Dilks, C.; Djalali, C.; Dupre, R.; Dusa, S. C.; El-Bennich, B.; El Fassi, L.; Frederico, T.; Freese, A.; Gamage, B. R.; Gamberg, L.; Ghoshal, R. R.; Girod, F. X.; Goncalves, V. P.; Gotra, Y.; Guo, F. K.; Guo, X.; Hattawy, M.; Hatta, Y.; Hayward, T.; Hen, O.; Huber, G. M.; Hyde, C.; Isupov, E. L.; Jacak, B.; Jacobs, W.; Jentsch, A.; Ji, C. R.; Joosten, S.; Kalantarians, N.; Kang, Z.; Kim, A.; Klein, S.; Kriesten, B.; Kumano, S.; Kumar, A.; Kumerički, K.; Kuchera, M.; Lai, W. K.; Li, Jin; Li, Shujie; Li, W.; Li, X.; Lin, H. -W.; Liu, K. F.; Liu, Xiaohui; Markowitz, P.; Mathieu, V; McEneaney, M.; Mekki, A.; de Melo, J. P. B. C.; Meziani, Z. E.; Milner, R.; Mkrtchyan, H.; Mochalov, V.; Mokeev, V.; Morozov, V.; Moutarde, H.; Murray, M.; Mtingwa, S.; Nadel-Turonski, P.; Okorokov, V. A.; Onyie, E.; Pappalardo, L. L.; Papandreou, Z.; Pecar, C.; Pilloni, A.; Pire, B.; Polys, N.; Prokudin, A.; Przybycien, M.; Qiu, J. -W.; Radici, M.; Reed, R.; Ringer, F.; Roy, B. J.; Sato, N.; Schaefer, A.; Schmookler, B.; Schnell, G.; Schweitzer, P.; Seidl, R.; Semenov-Tian-Shansky, K. M.; Serna, F.; Shaban, F.; Shabestari, M. H.; Shiells, K.; Signori, A.; Spiesberger, H.; Strakovsky, I.; Sufian, R. S.; Szczepaniak, A.; Teodorescu, L.; Terry, J.; Teryaev, O.; Tessarotto, F.; Timmer, C.; Tawfik, Abdel Nasser; Cazares, L. Valenzuela; Vladimirov, A.; Voutier, E.; Watts, D.; Wilson, D.; Winney, D.; Xiao, B.; Ye, Z.; Ye, Zh.; Yuan, F.; Zachariou, N.; Zahed, I.; Zhang, J. L.; Zhang, Y.; Zhou, J.
Precision studies of QCD in the low energy domain of the EIC
PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. **131** (2023), 104032
DOI: <https://doi.org/10.1016/j.pnnp.2023.104032>
83. Čebela, Maria; Zagorac, Dejan; Popov, Igor; Torić, Filip; Klaser, Teodoro; Skoko, Željko; Pajić, Damir
Enhancement of weak ferromagnetism, exotic structure prediction and diverse electronic properties in holmium substituted multiferroic bismuth ferrite
PHYSICAL CHEMISTRY CHEMICAL PHYSICS. **25** (2023), 33; 22345-22358
DOI: <https://doi.org/10.1039/d3cp03259k>
84. Čuić, Marija; Duplančić, Goran; Kumerički, Kresimir; Passek, K. Kornelija
NLO corrections to the deeply virtual meson production revisited: impact on the extraction of generalized parton distributions
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 12; 192
DOI: [https://doi.org/10.1007/JHEP12\(2023\)192](https://doi.org/10.1007/JHEP12(2023)192)

85. Cvenić, Karolina Matejak; Ivanjek, Lana; Planinić, Maja; Jeličić, Katarina; Sušac, Ana; Hopf, Martin; Brkic, Mateja Cindrić
Probing high school students' understanding of interference and diffraction of light using standard wave optics experiments
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **19** (2023), 2; 20118
DOI: <https://doi.org/10.1103/PhysRevPhysEducRes.19.020118>
86. Dadić, Ivan; Klabučar, Dubravko
Neutrino Oscillations in Finite Time Path Out-of-Equilibrium Thermal Field Theory
SYMMETRY-BASEL. **15** (2023), 11; 1970
DOI: <https://doi.org/10.3390/sym15111970>
87. Diklić, J.; Szilner, S.; Corradi, L.; Mijatovic, T.; Pollarolo, G.; Colovic, P.; Colucci, G.; Fioretto, E.; Galtarossa, F.; Goasduff, A.; Gottardo, A.; Grebosz, J.; Illana, A.; Jaworski, G.; Gomez, M. Jurado; Marchi, T.; Mengoni, D.; Montagnoli, G.; Nurkić, D.; Siciliano, M.; Soic, N.; Stefanini, A. M.; Testov, D.; Valiente-Dobon, J. J.; Vukman, N.
Transfer reactions in $^{206}\text{Pb}+^{118}\text{Sn}$: From quasielastic to deep-inelastic processes
PHYSICAL REVIEW C. **107** (2023), 1; 14619
DOI: <https://doi.org/10.1103/PhysRevC.107.014619>

88. (n_TOF Collaboration) Domingo-Pardo, C.; Babiano-Suarez, V.; Balibrea-Correa, J.; Caballero, L.; Ladarescu, I.; Leredegui-Marco, J.; Tain, J. L.; Tarifeno-Saldivia, A.; Aberle, O.; Alcayne, V.; Altieri, S.; Amaducci, S.; Andrzejewski, J.; Bacak, M.; Beltrami, C.; Bennett, S.; Bernardes, A. P.; Berthoumieux, E.; Boromiza, M.; Bosnar, D.; Caamano, M.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Cerutti, F.; Cescutti, G.; Chasapoglou, S.; Chiaveri, E.; Chiera, N. M.; Colombetti, P.; Colonna, N.; 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.; Garcia-Infantes, F.; Gawlik-Ramiega, A.; Gervino, G.; Gilardoni, S.; Gonzalez-Romero, E.; Guerrero, C.; Gusing, F.; Gustavino, C.; Heyse, J.; Hillman, W.; Jenkins, D. G.; Jericha, E.; Junghans, A.; Kadi, Y.; Kaperoni, K.; Kaepfeler, F.; Kaur, G.; Kimura, A.; Knapova, I.; Koster, U.; Kokkoris, M.; Krticka, M.; Kyritsis, N.; Lederer-Woods, C.; 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.; Moench, I.; Mucciola, R.; Murtas, F.; Musacchio-Gonzalez, E.; Musumarra, A.; Negret, A.; Perez de Rada, A.; Perez-Maroto, P.; Patronis, N.; Pavon-Rodriguez, J. A.; Pellegriti, M. G.; Perkowski, J.; Petrone, C.; Pirovano, E.; Plaza, J.; Pomp, S.; Porras, I.; Praena, J.; Quesada, J. M.; Reifarth, R.; Rochman, D.; Romanets, Y.; Rubbia, C.; Sanchez, A.; Sabate-Gilarte, M.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Stamati, M.; Sturmiolo, A.; Tagliente, G.; Tarrío, D.; Torres-Sanchez, P.; Turko, J.; Ullrich, S.; Vagena, E.; Valenta, S.; Variale, V.; Vaz, P.; Vecchio, G.; Vescovi, D.; Vlachoudis, V.; Vlastou, R.; Wallner, T.; Woods, P. J.; Wright, T.; Zarrella, R.; Žugec, P.
Advances and new ideas for neutron-capture astrophysics experiments at CERN n_TOF
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 1; 8
DOI: <https://doi.org/10.1140/epja/s10050-022-00876-7>
89. Doršner, Ilja; Lejlic, Ajla; Saad, Shaikh
Asymmetric leptoquark pair production at LHC
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 3; 25
DOI: [https://doi.org/10.1007/JHEP03\(2023\)025](https://doi.org/10.1007/JHEP03(2023)025)
90. Faivre, Sanja; Bakran-Petricioli, Tatjana; Kaniewski, David; Marriner, Nick; Tomljenovic, Bruno; Secanj, Marin; Horvatić, Davor; Barešić, Jadranka; Morhange, Christophe; Drysdale, Russell N.
Driving processes of relative sea-level change in the Adriatic during the past two millennia: From local tectonic movements in the Dubrovnik archipelago (Jakljan and Šipan islands) to global mean sea level contributions (Central Mediterranean)
GLOBAL AND PLANETARY CHANGE. **227** (2023), 104158
DOI: <https://doi.org/10.1016/j.gloplacha.2023.104158>

91. Farkaš, Lucija Nora; Tarjus, Gilles; Balog, Ivan
Approach to the lower critical dimension of the ϕ^4 theory in the derivative expansion of the functional renormalization group
PHYSICAL REVIEW E. **108** (2023), 5; 54107
DOI: <https://doi.org/10.1103/PhysRevE.108.054107>
92. Friščić, I.; Cline, E.; Bernauer, J. C.; Hasell, D. K.; Johnston, R.; Lavrukhin, I.; Lee, S.; Moran, P.; Schneekloth, U.
Test of streaming and triggered readout schemes for the TPEX lead tungstate calorimeter
JOURNAL OF INSTRUMENTATION. **18** (2023), 9
DOI: <https://doi.org/10.1088/1748-0221/18/09/P09001>
93. Garg, Swati; Maheshwari, Bhoomika; Singh, Balraj; Sun, Yang; Goel, Alpana; Jain, Ashok Kumar
Atlas of nuclear isomers-Second edition
ATOMIC DATA AND NUCLEAR DATA TABLES. **150** (2023), 101546
DOI: <https://doi.org/10.1016/j.adt.2022.101546>
94. Ghosh, Monojit; Goswami, Srubabati; Pan, Supriya; Pavlović, Bartol
Implications of the DLMA Solution of θ_{12} for IceCube Data Using Different Astrophysical Sources
UNIVERSE. **9** (2023), 9; 380
DOI: <https://doi.org/10.3390/universe9090380>
95. Ghosh, T.; Sangeeta, G.; Saxena, G.; Agrawal, B. K.; Datta, Ushasi
Impact of density dependence of symmetry energy on astrophysical S-factor for heavy-ion fusion reactions
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 11; 266
DOI: <https://doi.org/10.1140/epja/s10050-023-01173-7>
96. Goleni, Neven; Despoja, Vito
Trapped photons: Transverse plasmons in layered semiconducting heterostructures
PHYSICAL REVIEW B. **108** (2023), 12; L121402
DOI: <https://doi.org/10.1103/PhysRevB.108.L121402>

97. Griffitt, S.; Spaić, M.; Joe, J.; Anderson, Z. W.; Zhai, D.; Krogstad, M. J.; Osborn, R.; Pelc, D.; Greven, M.
Local inversion-symmetry breaking in a bismuthate high-T_c superconductor
NATURE COMMUNICATIONS. **14** (2023), 1; 845
DOI: <https://doi.org/10.1038/s41467-023-36348-9>
98. Grozić, Petra; Keran, Barbara; Kadigrobov, Anatoly M.; Radić, Danko
Charge stripes in the graphene-based materials
SCIENTIFIC REPORTS. **13** (2023), 1; 18931
DOI: <https://doi.org/10.1038/s41598-023-46157-1>
99. Gupta, Kumar S.; Juric, Tajron; Samsarov, Andjelo; Smolić, Ivica
Noncommutativity and logarithmic correction to the black hole entropy
JOURNAL OF HIGH ENERGY PHYSICS. **2023** (2023), 2; 60
DOI: [https://doi.org/10.1007/JHEP02\(2023\)060](https://doi.org/10.1007/JHEP02(2023)060)
100. Ignesti, Alessandro; Brienza, Marisa; Vulcani, Benedetta; Poggianti, Bianca M.; Marasco, Antonino; Smith, Rory; Hardcastle, Martin J.; Botteon, Andrea; Roberts, Ian D.; Fritz, Jacopo; Paladino, Rosita; Gitti, Myriam; Wolter, Anna; Tomicic, Neven; McGee, Sean; Moretti, Alessia; Gullieuszik, Marco; Drabent, Alexander
On the Encounter between the GASP Galaxy JO36 and the Radio Plume of GIN 049
ASTROPHYSICAL JOURNAL. **956** (2023), 2; 122
DOI: <https://doi.org/10.3847/1538-4357/acf70f>
101. Imbrišak, M.; Nomura, K.
Stability of the manifold boundary approximation method for reductions
PHYSICAL REVIEW C. **107** (2023), 3; 34304
DOI: <https://doi.org/10.1103/PhysRevC.107.034304>
102. Jain, A.; Sharma, P. K.; Jain, S. K.; Akrawy, Dashty T.; Saxena, G.
Decay properties of undetected superheavy nuclei with $Z > 110$
PHYSICA SCRIPTA. **98** (2023), 8; 85304
DOI: <https://doi.org/10.1088/1402-4896/ace00d>
103. Jain, A.; Sharma, P. K.; Jain, S. K.; Deegwal, J. K.; Saxena, G.
Cluster radioactivity in trans-lead region: A systematic study with modified empirical formulas
NUCLEAR PHYSICS A. **1031** (2023), 122597
DOI: <https://doi.org/10.1016/j.nuclphysa.2022.122597>

104. Jakovac, I.; Dioguardi, A. P.; Grbić, M. S.; Gu, G. D.; Tranquada, J. M.; Hicks, C. W.; Požek, M.; Grafe, H. -j.
Uniaxial stress study of spin and charge stripes in La_{1.875}Ba_{0.125}CuO₄ by ¹³⁹La NMR and ⁶³Cu NQR
PHYSICAL REVIEW B. **108** (2023), 20; 205113
DOI: <https://doi.org/10.1103/PhysRevB.108.205113>
105. Jennings, Z.; Southworth, J.; Pavlovski, K.; Van Reeth, T.
Physical properties of the eclipsing binary KIC 9851944 and analysis of its tidally perturbed p- and g-mode pulsations
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **527** (2023), 2; 4052-4075
DOI: <https://doi.org/10.1093/mnras/stad3427>
106. Jimenez-Andrade, E. F.; Cantalupo, S.; Magnelli, B.; Romano-Diaz, E.; Gomez-Guijarro, C.; Mackenzie, R.; Smolčić, V.; Murphy, E.; Matthee, J.; Toft, S.
The Ly α , C iv, and He ii nebulae around J1000+0234: a galaxy pair at the centre of a galaxy overdensity at z=4.5
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **521** (2023), 2; 2326-2341
DOI: <https://doi.org/10.1093/mnras/stad594>
107. Johnston, C.; Tkachenko, A.; Van Reeth, T.; Bowman, D. M.; Pavlovski, K.; Sana, H.; Sekaran, S.
Tidal perturbations and eclipse mapping in the pulsations in the hierarchical triple system U Gru
ASTRONOMY & ASTROPHYSICS. **670** (2023), A167
DOI: <https://doi.org/10.1051/0004-6361/202244808>

108. (Hall C Collaboration) Karki, A.; Biswas, D.; Gonzalez, F. A.; Henry, W.; Morean, C.; Nadeeshani, A.; Sun, A.; Abrams, D.; Ahmed, Z.; Aljawrneh, B.; Alsalmi, S.; Ambrose, R.; Androić, D.; Armstrong, W.; Arrington, J.; Asaturyan, A.; Assumin-Gyimah, K.; Gayoso, C.; Ayerbe, Bandari, A.; Bane, J.; Barrow, J.; Basnet, S.; Berdnikov, V.; Bhatt, H.; Bhetuwal, D.; Boeglin, W. U.; Bosted, P.; Brash, E.; Bukhari, M. H. S.; Chen, H.; Chen, J. P.; Chen, M.; Christy, M. E.; Covrig, S.; Craycraft, K.; Danagoulian, S.; Day, D.; Diefenthaler, M.; Dlamini, M.; Dunne, J.; Duran, B.; Dutta, D.; Elliott, C.; Ent, R.; Fenker, H.; Fomin, N.; Fuchey, E.; Gaskell, D.; Gautam, T. N.; Hansen, J. O.; Hauenstein, F.; V. Hernandez, A.; Horn, T.; Huber, G. M.; Jones, M. K.; Joosten, S.; Kabir, M. L.; Kalantarians, N.; Keppel, C.; Khanal, A.; King, P. M.; Kinney, E.; Ko, H. S.; Kohl, M.; Lashley-Colthirst, N.; Li, S.; Li, W. B.; Liyanage, A. H.; Mack, D.; Malace, S.; Markowitz, P.; Matter, J.; Meekins, D.; Michaels, R.; Mkrtchyan, A.; Mkrtchyan, H.; Nanda, S.; Nguyen, D.; Niculescu, G.; Niculescu, I.; Nuruzzaman, B.; Pandey, B.; Park, S.; Pooser, E.; Puckett, A. J. R.; Reh fuss, M.; Reinhold, J.; Santiesteban, N.; Sawatzky, B.; Smith, G. R.; Szumila-Vance, H.; Tade palli, A. S.; Tadevosyan, V.; Trotta, R.; Wood, S. A.; Yero, C.; Zhang, J.
First Measurement of the EMC effect in 10B and 11B
PHYSICAL REVIEW C. **108** (2023), 3; 35201
DOI: <https://doi.org/10.1103/PhysRevC.108.035201>
109. Kegel, S.; Achenbach, P.; Bacca, S.; Barnea, N.; Beričić, J.; Bosnar, D.; Correa, L.; Distler, M. O.; Esser, A.; Fonvieille, H.; Friščić, I.; Heilig, M.; Herrmann, P.; Hoek, M.; Klag, P.; Kolar, T.; Leidemann, W.; Merkel, H.; Mihovilovic, M.; Mueller, J.; Mueller, U.; Orlandini, G.; Pochodzalla, J.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Sirea, S.; Spreckels, R.; Stoettinger, Y.; Thiel, M.; Tyukin, A.; Walcher, T.; Weber, A.
Measurement of the π -Particle Monopole Transition Form Factor Challenges Theory: A Low-Energy Puzzle for Nuclear Forces?
PHYSICAL REVIEW LETTERS. **130** (2023), 15; 152502
DOI: <https://doi.org/10.1103/PhysRevLett.130.152502>
110. Kekez, D.; Klabučar, D.
Pion observables calculated in Minkowski and Euclidean spaces with Ansätze for quark propagators
PHYSICAL REVIEW D. **107** (2023), 9; 94025
DOI: <https://doi.org/10.1103/PhysRevD.107.094025>
111. Klebel-Knobloch, B.; Tabis, W.; Gala, M. A.; Barišić, O. S.; Sunko, D. K.; Barišić, N.
Transport properties and doping evolution of the Fermi surface in cuprates
SCIENTIFIC REPORTS. **13** (2023), 1; 13562
DOI: <https://doi.org/10.1038/s41598-023-39813-z>

112. Klinčić, Luka; Zlatić, Vinko; Caldarelli, Guido; Stefančić, Hrvoje
Systemic risk measured by the resiliency of the system to initial shocks
PHYSICAL REVIEW E. **108** (2023), 4; 44303
DOI: <https://doi.org/10.1103/PhysRevE.108.044303>
113. Knežević, Tihomir; Jelavić, Eva; Yamazaki, Yuichi; Ohshima, Takeshi; Makino, Takahiro; Capan, Ivana
Boron-Related Defects in N-Type 4H-SiC Schottky Barrier Diodes
MATERIALS. **16** (2023), 9; 3347
DOI: <https://doi.org/10.3390/ma16093347>
114. Kružić, Goran; Oishi, Tomohiro; Paar, Nils
Magnetic quadrupole transitions in the relativistic energy density functional theory
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 3; 50
DOI: <https://doi.org/10.1140/epja/s10050-023-00958-0>
115. Kucuksucu, S.; Yigit, M.; Paar, N.
Isotopic dependence of (n, α) reaction cross sections for Fe and Sn nuclei
NUCLEAR PHYSICS A. **1041** (2024), 122779
DOI: <https://doi.org/10.1016/j.nuclphysa.2023.122779>
116. Kucuksucu, Sema; Yigit, Mustafa
A study on (n, α) reaction cross sections using a new empirical systematic
NUCLEAR ENGINEERING AND TECHNOLOGY. **55** (2023), 11; 4026-4031
DOI: <https://doi.org/10.1016/j.net.2023.07.017>
117. Kumar, C. M. N.; Akrap, A.; Homes, C. C.; Martino, E.; Klebel-Knobloch, B.; Tabis, W.; Barišić, O. S.; Sunko, D. K.; Barišić, N.
Characterization of two electronic subsystems in cuprates through optical conductivity
PHYSICAL REVIEW B. **107** (2023), 14; 144515
DOI: <https://doi.org/10.1103/PhysRevB.107.144515>
118. Kuveždić, Marko; Tafra, Emil; Figueroa, Ignacio A.; Basletić, Mario
(Magneto)Transport Properties of (TiZrNbNi)_{1-x}Cu_x and (TiZrNbCu)_{1-x}Cu_x Complex Amorphous Alloys
MATERIALS. **16** (2023), 4; 1711
DOI: <https://doi.org/10.3390/ma16041711>

119. Lei, Sihong; Xia, Shiqi; Wang, Junqian; Liu, Xiuying; Tang, Liqin; Song, Daohong; Xu, Jingjun; Buljan, Hrvoje; Chen, Zhigang
Mapping and Manipulation of Topological Singularities: From Photonic Graphene to T-Graphene
ACS PHOTONICS. **10** (2023), 7; 2390-2398
DOI: <https://doi.org/10.1021/acsphotonics.2c01695>
120. Lelas, Karlo; Poljak, Nikola; Jukić, Dario
Damped harmonic oscillator revisited: The fastest route to equilibrium
AMERICAN JOURNAL OF PHYSICS. **91** (2023), 10; 767-775
DOI: <https://doi.org/10.1119/5.0112573>
121. Li, B.; Vretenar, D.; Ren, Z. X.; Nikšić, T.; Zhao, J.; Zhao, P. W.; Meng, J.
Fission dynamics, dissipation, and clustering at finite temperature
PHYSICAL REVIEW C. **107** (2023), 1; 14303
DOI: <https://doi.org/10.1103/PhysRevC.107.014303>
122. Lončarević, Andrea; Malbasa, Zoran; Kovačić, Marin; Ostojić, Karla; Angaits, Ange; Skoko, Željko; Szpunar, Joanna; Urlic, Inga; Ferrer, Gloria Gallego; Rogina, Anamarija
Copper-zinc/chitosan complex hydrogels: Rheological, degradation and biological properties
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. **251** (2023), 126373
DOI: <https://doi.org/10.1016/j.ijbiomac.2023.126373>
123. Lončarić, Robert; Radolić, Vanja; Surić, Maša; Miklavčić, Igor; Šatalić, Matea; Paar, Dalibor; Obšivač, Lukrecija
Preliminary data of potentially hazardous radon concentrations in Modric Cave (Croatia)
INTERNATIONAL JOURNAL OF SPELEOLOGY. **52** (2023), 1; 65-74
DOI: <https://doi.org/10.5038/1827-806X.52.1.2469>
124. Lozančić, Ana; Renka, Sanja; Barišić, Dario; Burazer, Sanja; Molčanov, Krešimir; Pajić, Damir; Jurić, Marijana
High Proton Conductivity of Magnetically Ordered 2D Oxalate-Bridged [MnII CrIII] Coordination Polymers with Irregular Topology
INORGANIC CHEMISTRY. **62** (2023), 24; 9418-9428
DOI: <https://doi.org/10.1021/acs.inorgchem.3c00443>

125. Majer, Marija; Pasariček, Luka; Knezovic, Željka; Bokulić, Tomislav; Provatas, Georgios; Mihalić, Iva Božicević
Relative efficiency of radiophotoluminescent glass detectors in low energy ion beams
RADIATION MEASUREMENTS. **166** (2023), 106973
DOI: <https://doi.org/10.1016/j.radmeas.2023.106973>
126. Malenica, D. Jelavic; Milin, M.; Dell'Aquila, D.; Di Pietro, A.; Figuera, P.; Gasparic, I.; Mijatović, T.; Musumarra, A.; Pellegriti, M. G.; Scuderi, V.; Soić, N.; Szilner, S.; Torresi, D.; Uroić, M.
The ¹³C states populated in 10B+10B reactions at 72 MeV
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 10; 228
DOI: <https://doi.org/10.1140/epja/s10050-023-01148-8>
127. Mandujano, Hector Cein; Metta, Alejandro; Barišić, Neven; Zhang, Qiang; Tabis, Wojciech; Muniraju, Naveen Kumar Chogondahalli; Nair, Harikrishnan S.
Sawtooth lattice multiferroic BeCr2O4: Noncollinear magnetic structure and multiple magnetic transitions
PHYSICAL REVIEW MATERIALS. **7** (2023), 2; 24422
DOI: <https://doi.org/10.1103/PhysRevMaterials.7.024422>
128. Mardele, F. Le; Wyzula, J.; Mohelsky, I.; Nasrallah, S.; Loh, M.; Ben David, S.; Toledano, O.; Tolj, D.; Novak, M.; Eguchi, G.; Paschen, S.; Barišić, N.; Chen, J.; Kimura, A.; Orlita, M.; Rukelj, Z.; Akrap, Ana; Santos-Cottin, D.
Evidence for three-dimensional Dirac conical bands in TlBiS₂ by optical and magneto-optical spectroscopy
PHYSICAL REVIEW B. **107** (2023), 24; L241101
DOI: <https://doi.org/10.1103/PhysRevB.107.L241101>
129. Marijan, Sara; Razum, Marta; Klaser, Teodoro; Mosner, Petr; Koudelka, Ladislav; Skoko, željko; Pisk, Jana; Pavić, Luka
Tailoring structure for improved sodium mobility and electrical properties in V2O5-Nb2O5-P2O5 Glass(es)-(Ceramics)
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. **181** (2023), 111461
DOI: <https://doi.org/10.1016/j.jpccs.2023.111461>

130. Martinou, Andriana; Bonatsos, Dennis; Peroulis, Spyridon Kosmas; Karakatsanis, Konstantinos Eleftherios; Mertzimekis, Theodoros John; Minkov, Nikolay
Islands of Shape Coexistence: Theoretical Predictions and Experimental Evidence
SYMMETRY-BASEL. **15** (2023), 1; 29
DOI: <https://doi.org/10.3390/sym15010029>
131. (n_TOF Collaboration) Michalopoulou, V; Stamatopoulos, A.; Diakaki, M.; Tsinganis, A.; Vlastou, R.; Kokkoris, M.; Patronis, N.; Eleme, Z.; Macina, D.; Tassan-Got, L.; Colonna, N.; Chiaveri, E.; Ventura, A.; Schillebeeckx, P.; Heyse, J.; Sibbens, G.; Alaerts, G.; Borella, A.; Moens, A.; Vanleeuw, D.; Aberle, O.; Alcayne, V.; Amaducci, S.; Andrzejewski, J.; Audouin, L.; Babiano-Suarez, V.; Bacak, M.; Barbagallo, M.; Bennett, S.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brown, A.; Busso, M.; Caamano, M.; Caballero, 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.; Dietz, M.; Domingo-Pardo, C.; Dressler, R.; Ducasse, Q.; Dupont, E.; Duran, I.; Fernandez-Dominguez, B.; Ferrari, A.; Finocchiaro, P.; 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.; Jenkins, D. G.; Junghans, A.; Kappeler, F.; Kadi, Y.; Kimura, A.; Knapova, I.; Kopatch, Y.; Krlicka, M.; Kurtulgil, D.; Ladarescu, I.; Lederer-Woods, C.; Leeb, H.; Leredegui-Marco, J.; Lonsdale, S. J.; Manna, A.; Martinez, T.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Moreno-Soto, J.; Musumarra, A.; Negret, A.; Nolte, R.; Ogallar, F.; Oprea, A.; Pavlik, A.; Perkowski, J.; Petrone, C.; Piersanti, L.; Pirovano, E.; Porras, I.; Praena, J.; Quesada, J. M.; Ramos-Doval, D.; Rauscher, T.; Reifarh, R.; Rochman, D.; Romanets, Y.; Rubbia, C.; Sabate-Gilarte, M.; Saxena, A.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Sprung, P.; Tagliente, G.; Tain, J. L.; Tarifeno-Saldivia, A.; Thomas, Th.; Torres-Sanchez, P.; Ulrich, J.; Urlass, S.; Valenta, S.; Saxena, A.; Variale, V.; Vaz, P.; Vescovi, D.; Vlachoudis, V.; Wallner, A.; Woods, P. J.; Wright, T.; Žugec, P.
Measurement of the neutron-induced fission cross section of ^{230}Th at the CERN n_TOF facility
PHYSICAL REVIEW C. **108** (2023), 1; 14616
DOI: <https://doi.org/10.1103/PhysRevC.108.014616>

132. Lovrenčić Mikelić, Ivanka; Oreščanin, Višnja; Cukrov, Neven; Tomašić, Nenad; Rubčić, Mirta; Barišić, Delko
Relationships between radionuclides, metals, and sediment properties in sediment of a bay exposed to anthropogenic pressure and mixed sediment sources (Kastela Bay, Adriatic Sea, Croatia)
MARINE POLLUTION BULLETIN. **197** (2023), 115731
DOI: <https://doi.org/10.1016/j.marpolbul.2023.115731>
133. Molčanov, Lidija; Dubraja, Lidija Androš; Žilic, Dijana; Molčanov, Krešimir; Barišić, Dario; Pajić, Damir; Lončarić, Ivor; Šantić, Ana; Jurić, Marijana
Light-Induced Intramolecular Electron Transfer in a 1D [CuFe] Coordination Polymer Containing the [Fe(C₂O₄)₃]³⁻ Core
INORGANIC CHEMISTRY. **62** (2023), 42; 17219-17227
DOI: <https://doi.org/10.1021/acs.inorgchem.3c02351>
134. Novak, Andrej
A nonlinear optimal control problem with an application to optimal dosing of cytotoxic drugs
CHAOS SOLITONS & FRACTALS. **177** (2023), 114301
DOI: <https://doi.org/10.1016/j.chaos.2023.114301>
135. Ovejas, J. D.; Martel, I.; Dell'Aquila, D.; Acosta, L.; Aguado, J. L.; de Angelis, G.; Borge, M. J. G.; Briz, J. A.; Chbihi, A.; Colucci, G.; Diaz-Martin, C.; Figuera, P.; Galaviz, D.; Garcia-Ramos, C.; Gomez-Galan, J. A.; Gonzales, C. A.; Goyal, N.; Keeley, N.; Kemper, K. W.; Nieto, T. Kurtukian; Malenica, D. J.; Mazzocco, M.; Nurkic, D.; Orduz, A. K.; Ortiz, A.; Palada, L.; Parascandolo, C.; Di Pietro, A.; Rodriguez, A. M.; Rusek, K.; Salguero, F.; Sanchez-Benitez, A. M.; Sanchez-Raya, M.; Sanchez-Segovia, J.; Soić, N.; Soramel, F.; Stanoiu, M.; Tengblad, O.; Vukman, N.; Xarepe, M.
Suppression of Coulomb-nuclear interference in the near-barrier elastic scattering of ¹⁷Ne from ²⁰⁸Pb
PHYSICS LETTERS B. **843** (2023), 138007
DOI: <https://doi.org/10.1016/j.physletb.2023.138007>

136. Patronis, N.; Mengoni, A.; Goula, S.; Aberle, O.; Alcayne, V.; Altieri, S.; Amaducci, S.; Andrzejewski, J.; Babiano-Suarez, V.; Bacak, M.; Balibrea Correa, J.; Beltrami, C.; Bennett, S.; 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.; Colombetti, P.; Colonna, N.; Console Camprini, P.; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Cristallo, S.; Dellmann, S.; Di Castro, M.; Di Maria, S.; Diakaki, M.; Dietz, M.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Eleme, Z.; Fargier, S.; Fernandez, B.; Fernandez-Dominguez, B.; Finocchiaro, P.; Fiore, S.; Garcia-Infantes, F.; Gawlik-Ramiega, A.; Gervino, G.; Gilardoni, S.; Gonzalez-Romero, E.; Guerrero, C.; Gusing, 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.; Krticka, M.; Kyritsis, N.; Ladarescu, I.; Lederer-Woods, C.; Lerendegui-Marco, J.; Lerner, G.; Manna, A.; Martinez, T.; Masi, A.; Massimi, C.; Mastinu, P.; Mastromarco, M.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Michalopoulou, V.; Milazzo, P. M.; Mucciola, R.; Murtas, F.; Musacchio-Gonzalez, E.; Musumarra, A.; Negret, A.; Perez de Rada, A.; Perez-Maroto, P.; Pavon-Rodriguez, J. A.; Pellegriti, M. G.; Perkowski, J.; Petrone, C.; Pirovano, E.; Plaza del Olmo, J.; Pomp, S.; Porras, I.; Praena, J.; Quesada, J. M.; Reifarth, R.; Rochman, D.; Romanets, Y.; Rubbia, C.; Sanchez-Caballero, A.; Sabate-Gilarte, M.; Schillebeeckx, P.; Schumann, D.; Sekhar, A.; Smith, A. G.; Sosnin, N. V.; Stamati, M. E.; Sturniolo, A.; Tagliente, G.; Tarifeno-Saldivia, A.; Tarrío, D.; Torres-Sanchez, P.; Vagena, E.; Valenta, S.; Variale, V.; Vaz, P.; Vecchio, G.; Vescovi, D.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Woods, P. J.; Zarrella, R.; Žugec, P. Status report of the n_TOF facility after the 2nd CERN long shutdown period
EPJ TECHNIQUES AND INSTRUMENTATION. **10** (2023), 1; 13
DOI: <https://doi.org/10.1140/epjti/s40485-023-00100-w>
137. Pavlov, Marin; Barić, Domjan; Novak, Andrej; Manola, Šime; Jurin, Ivana
From statistical inference to machine learning: A paradigm shift in contemporary cardiovascular pharmacotherapy
BRITISH JOURNAL OF CLINICAL PHARMACOLOGY. **90** (2024), 3; 691-699
DOI: <https://doi.org/10.1111/bcp.15927>
138. Pavlovski, K.; Southworth, J.; Tkachenko, A.; Van Reeth, T.; Tamajo, E.
High-mass eclipsing binaries: A testbed for models of interior structure and evolution
Accurate fundamental properties and surface chemical composition for V1034 Sco, GL Car, V573 Car, and V346 Cen
ASTRONOMY & ASTROPHYSICS. **671** (2023), A139
DOI: <https://doi.org/10.1051/0004-6361/202244980>

139. Pervan, Petar; Trontl, Vesna Mikšić; Figueroa, Ignacio Alejandro; Valla, Tonica; Pletikosić, Ivo; Babić, Emil
Compositionally Complex Alloys: Some Insights from Photoemission Spectroscopy
MATERIALS. **16** (2023), 4; 1486
DOI: <https://doi.org/10.3390/ma16041486>
140. Pisk, Jana; Marijan, Sara; Klaser, Teodoro; Mosner, Petr; Koudelka, Ladislav; Agustin, Dominique; Skoko, Željko; Pavić, Luka
Peculiar catalytic properties of oxide glass-(ceramics) in epoxidation reactions
JOURNAL OF NON-CRYSTALLINE SOLIDS. **626** (2024), 122780
DOI: <https://doi.org/10.1016/j.jnoncrysol.2023.122780>
141. Popčević, P.; Batistić, I.; Smontara, A.; Velebit, K.; Jačimović, J.; Živković, I.; Tsyruhin, N.; Piatek, J.; Berger, H.; Sidorenko, A.; Ronnow, H.; Forro, L.; Barišić, N.; Tutiš, E.
Electronic transport and magnetism in the alternating stack of metallic and highly frustrated magnetic layers in $\text{Co}_{1/3}\text{NbS}_2$
PHYSICAL REVIEW B. **107** (2023), 23; 235149
DOI: <https://doi.org/10.1103/PhysRevB.107.235149>
142. Radić, D.; Gorelik, L. Y.; Kulinich, S. I.; Shekhter, R. I.
Transduction of quantum information from charge qubit to nanomechanical cat-state
PHYSICA B-CONDENSED MATTER. **665** (2023), 415049
DOI: <https://doi.org/10.1016/j.physb.2023.415049>
143. Ravlić, Ante; Yuksel, Esra; Nikšić, Tamara; Paar, Nils
Influence of the symmetry energy on the nuclear binding energies and the neutron drip line position
PHYSICAL REVIEW C. **108** (2023), 5; 54305
DOI: <https://doi.org/10.1103/PhysRevC.108.054305>
144. Rosandić, Marija; Paar, Vladimir
The Supersymmetry Genetic Code Table and Quadruplet Symmetries of DNA Molecules Are Unchangeable and Synchronized with Codon-Free Energy Mapping during Evolution
GENES. **14** (2023), 12; 2200
DOI: <https://doi.org/10.3390/genes14122200>

145. Rosandić, Marija; Paar, Vladimir
The Evolution of Life Is a Road Paved with the DNA Quadruplet Symmetry and the Supersymmetry Genetic Code
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. **24** (2023), 15; 12029
DOI: <https://doi.org/10.3390/ijms241512029>
146. Rukelj, Z.; Radić, D.; Krsnik, J.; Barišić, O. S.; Mishchenko, A. S.; Kupčić, I.
Dynamical conductivity of a two-dimensional weakly doped Holstein system
PHYSICAL REVIEW B. **108** (2023), 15; 155151
DOI: <https://doi.org/10.1103/PhysRevB.108.155151>
147. Rukelj, Zoran; Radić, Danko
Conductivity Sum Rule in the Nearly Free Two-Dimensional Electron Gas in an Uniaxial Potential
CONDENSED MATTER. **8** (2023), 1; 1
DOI: <https://doi.org/10.3390/condmat8010001>
148. Santos-Cottin, D.; Mohelsky, I.; Wyzula, J.; Le Mardele, F.; Kapon, I.; Nasrallah, S.; Barišić, N.; Zivkovic, I.; Soh, J. R.; Guo, F.; Rigaux, K.; Puppini, M.; Dil, J. H.; Gudac, B.; Rukelj, Z.; Novak, M.; Kuzmenko, A. B.; Homes, C. C.; Dietl, Tomasz; Orlita, M.; Akrap, Ana
EuCd₂As₂: A Magnetic Semiconductor
PHYSICAL REVIEW LETTERS. **131** (2023), 18; 186704
DOI: <https://doi.org/10.1103/PhysRevLett.131.186704>
149. Sarkar, Gayatri; Kaur, Amandeep; Maiti, Moumita; Sharma, Manoj K.
Fragmentation analysis of various compound nuclei formed in the mass region 200 and the associated entrance channel effects
PRAMANA-JOURNAL OF PHYSICS. **97** (2023), 2; 74
DOI: <https://doi.org/10.1007/s12043-023-02540-1>
150. Saxena, G.; Jain, A.
Cluster radioactivity from trans-tin to superheavy region using an improved empirical formula
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 8; 189
DOI: <https://doi.org/10.1140/epja/s10050-023-01102-8>

151. Saxena, G.; Aggarwal, Mamta; Singh, D.; Jain, A.; Sharma, P. K.; Yadav, H. L.
Deformation dependence of 2p-radioactivity half-lives: probe with a new formula across the mass region with $Z < 82$
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. **50** (2023), 1; 15102
DOI: <https://doi.org/10.1088/1361-6471/ac991d>
152. Sgaramella, F.; Tuechler, M.; Amsler, C.; Bazzi, M.; Bosnar, D.; Bragadireanu, M.; Cargnelli, M.; Carminati, M.; Clozza, A.; Deda, G.; Del Grande, R.; De Paolis, L.; Fabbietti, L.; Fiorini, C.; Friščić, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Miliucci, M.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Sada, Y.; Scordo, A.; Shi, H.; Silarski, M.; Sirghi, D.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Doce, O. Vazquez; Widmann, E.; Yoshida, C.; Zmeskal, J.; Curceanu, C.
Measurements of high-n transitions in intermediate mass kaonic atoms by SIDDHARTA-2 at DAFNE
EUROPEAN PHYSICAL JOURNAL A. **59** (2023), 3; 56
DOI: <https://doi.org/10.1140/epja/s10050-023-00976-y>
153. ShahrbaF, M.; Antić, S.; Ayriyan, A.; Blaschke, D.; Grunfeld, A. G.
Constraining free parameters of a color superconducting nonlocal Nambu-Jona-Lasinio model using Bayesian analysis of neutron stars mass and radius measurements
PHYSICAL REVIEW D. **107** (2023), 5; 54011
DOI: <https://doi.org/10.1103/PhysRevD.107.054011>
154. Southworth, John; Murphy, S. J.; Pavlovski, K.
 δ Scuti pulsations in the bright Pleiades eclipsing binary HD23642
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **520** (2023), 1; L53-L57
DOI: <https://doi.org/10.1093/mnras/slad004>
155. Sušac, Ana; Planinić, Maja; Bubić, Andreja; Jeličić, Katarina; Palmović, Marijan
Effect of representation format on conceptual question performance and eye-tracking measures
PHYSICAL REVIEW PHYSICS EDUCATION RESEARCH. **19** (2023), 2; 20114
DOI: <https://doi.org/10.1103/PhysRevPhysEducRes.19.020114>

156. Sušac, Ana; Planinić, Maja; Bubić, Andreja; Jeličić, Katarina; Palmović, Marijan
Linking information from multiple representations: an eye-tracking study
FRONTIERS IN EDUCATION. **8** (2023), 1141896
DOI: <https://doi.org/10.3389/feduc.2023.1141896>
157. (n_TOF Collaboration) Tarrío, D.; Tassan-Got, L.; Duran, I.; Leong, L. S.; Paradela, C.; Audouin, L.; Leal-Cidoncha, E.; Le Naour, C.; Caamano, M.; Ventura, A.; Altstadt, S.; Andrzejewski, J.; Barbagallo, M.; Becares, V.; Becvar, F.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Boccone, V.; Bosnar, D.; Brugger, M.; Calviani, M.; Calvino, F.; Cano-Ott, D.; Carrapico, C.; Cerutti, F.; Chiaveri, E.; Chin, M.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M. A.; Diakaki, M.; Domingo-Pardo, C.; Dzysiuk, N.; Eleftheriadis, C.; Ferrari, A.; Fraval, K.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Gomez-Hornillos, M. B.; Goncalves, I. F.; Gonzalez-Romero, E.; Griesmayer, E.; Guerrero, C.; Günsing, F.; Gurusamy, P.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaepfeler, F.; Karadimos, D.; Koehler, P.; Kokkoris, M.; Krticka, M.; Kroll, J.; Langer, C.; Lederer, C.; Leeb, H.; Losito, R.; Manousos, A.; Marganiec, J.; Martinez, T.; Massimi, C.; Mastinu, P. F.; Mastromarco, M.; Meaze, M.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Mondalaers, W.; Pavlik, A.; Perkowski, J.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Robles, M. S.; Roman, F.; Rubbia, C.; Sarmiento, R.; Schillebeeckx, P.; Schmidt, S.; Tagliente, G.; Tain, J. L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Versaci, R.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Wright, T. J.; Žugec, P.
Neutron-induced fission cross sections of ²³²Th and ²³³U up to 1 GeV using parallel plate avalanche counters at the CERN n_TOF facility
PHYSICAL REVIEW C. **107** (2023), 4; 44616
DOI: <https://doi.org/10.1103/PhysRevC.107.044616>
158. Topić, Edi; Šenjug, Pavla; Barišić, Dario; Lončarić, Ivor; Pajić, Damir; Rubčić, Mirta
Structure-Related Evolution of Magnetic Order in Anisidinium Tetrachlorocuprates(II)
CRYSTAL GROWTH & DESIGN. **23** (2023), 6; 4262-4272
DOI: <https://doi.org/10.1021/acs.cgd.3c00066>

159. (n_TOF Collaboration) Torres-Sanchez, Pablo; Praena, Javier; Porras, Ignacio; Sabate-Gilarte, Marta; Lederer-Woods, Claudia; Aberle, Oliver; Alcayne, Victor; Amaducci, Simone; Andrzejewski, Jozef; Audouin, Laurent; Becares, Vicente; Babiano-Suarez, Victor; Bacak, Michael; Barbagallo, Massimo; Becvar, Frantisek; Bellia, Giorgio; Berthoumieux, Eric; Billowes, Jon; Bosnar, Damir; Brown, Adam; Busso, Maurizio; Caamano, Manuel; Caballero, Luis; Calvino, Francisco; Calviani, Marco; Cano-Ott, Daniel; Casanovas, Adria; Cerutti, Francesco; Chen, Yonghao; Chiaveri, Enrico; Colonna, Nicola; Cortes, Guillem; Cortes-Giraldo, Miguel; Cosentino, Luigi; Cristallo, Sergio; Damone, Lucia-Anna; Diakaki, Maria; Dietz, Mirco; Domingo-Pardo, Cesar; Dressler, Rugard; Dupont, Emmeric; Duran, Ignacio; Eleme, Zinovia; Fernandez-Dominguez, Beatriz; Ferrari, Alfredo; Ferrer, Francisco Javier; Finocchiaro, Paolo; Furman, Valter; Goebel, Kathrin; Garg, Ruchi; Gawlik-Rami, Aleksandra; Geslot, Benoit; Gilardoni, Simone; Glodariu, Tudor; Goncalves, Isabel; Gonzalez-Romero, Enrique; Guerrero, Carlos; Günsing, Frank; Harada, Hideo; Heinitz, Stephan; Heyse, Jan; Jenkins, David; Jericha, Erwin; Kappeler, Franz; Kadi, Yacine; Kimura, Atsushi; Kivel, Niko; Kokkoris, Michael; Kopatch, Yuri; Krticka, Milan; Kurtulgil, Deniz; Ladarescu, Ion; Leeb, Helmut; Leredegui-Marco, Jorge; Lo Meo, Sergio; Lonsdale, Sarah-Jane; Macina, Daniela; Manna, Alice; Martinez, Trinitario; Masi, Alessandro; Massimi, Cristian; Mastinu, Pierfrancesco; Mastromarco, Mario; Matteucci, Francesca; Maugeri, Emilio-Andrea; Mazzone, Annamaria; Mendoza, Emilio; Mengoni, Alberto; Michalopoulou, Veatriki; Milazzo, Paolo Maria; Mingrone, Federica; Musumarra, Agatino; Negret, Alexandru; Nolte, Ralf; Ogallar, Francisco; Oprea, Andreea; Patronis, Nikolas; Pavlik, Andreas; Perkowski, Jaroslaw; Persanti, Luciano; Quesada, Jose-Manuel; Radeck, Desiree; Ramos-Doval, Diego; Rauscher, Thomas; Reifarth, Rene; Rochman, Dimitri; Rubbia, Carlo; Saxena, Alok; Schillebeeckx, Peter; Schumann, Dorothea; Smith, Gavin; Sosnin, Nikolay; Stamatopoulos, Athanasios; Tagliente, Giuseppe; Tain, Jose; Talip, Zeynep; Tarifeno-Saldivia, Ariel; Tassan-Got, Laurent; Tsinganis, Andrea; Ulrich, Jiri; Urlass, Sebastian; Valenta, Stanislav; Vannini, Gianni; Variale, Vincenzo; Vaz, Pedro; Ventura, Alberto; Vlachoudis, Vasilis; Vlastou, Rosa; Wallner, Anton; Woods, PhilipJohn; Wright, Tobias; Žugec, Petar

Measurement of the $^{14}\text{N}(n, p)^{14}\text{C}$ cross section at the CERN n_TOF facility from subthermal energy to 800 keV

PHYSICAL REVIEW C. **107** (2023), 6; 64617

DOI: <https://doi.org/10.1103/PhysRevC.107.064617>

160. Tuechler, M.; Amsler, C.; Bazzi, M.; Bosnar, D.; Bragadireanu, M.; Cargnelli, M.; Carminati, M.; Clozza, A.; Deda, G.; Grande, R. Del; Paolis, L. De; Dulski, K.; Fabbietti, L.; Fiorini, C.; Frišćić, I.; Guaraldo, C.; Iliescu, M.; Iwasaki, M.; Khreptak, A.; Manti, S.; Marton, J.; Miliucci, M.; Moskal, P.; Napolitano, F.; Niedzwiecki, S.; Ohnishi, H.; Piscicchia, K.; Sada, Y.; Scordo, A.; Sgaramella, F.; Shi, H.; Silarski, M.; Sirghi, D.; Sirghi, F.; Skurzok, M.; Spallone, A.; Toho, K.; Doce, O. Vazquez; Widmann, E.; Yoshida, C.; Zmeskal, J.; Curceanu, C.
The SIDDHARTA-2 Veto-2 system for X-ray spectroscopy of kaonic atoms at DAΦNE
JOURNAL OF INSTRUMENTATION. **18** (2023), 11; P11026
DOI: <https://doi.org/10.1088/1748-0221/18/11/P11026>
161. (n_TOF Collaboration) V. Sosnin, N.; Lederer-Woods, C.; Krticka, M.; Garg, R.; Dietz, M.; Bacak, M.; Barbagallo, M.; Battino, U.; Cristallo, S.; Damone, L. A.; Diakaki, M.; Heinitz, S.; Macina, D.; Mastro marco, M.; Mingrone, F.; Murphy, A. St. J.; Tagliente, G.; Valenta, S.; Vescovi, D.; Aberle, O.; Alcayne, V.; Amaducci, S.; Andrzejewski, J.; Audouin, L.; Becares, V.; Babiano-Suarez, V.; Becvar, F.; Bellia, G.; Berthoumieux, E.; Billowes, J.; Bosnar, D.; Brown, A.; Busso, M.; Caamano, M.; Caballero, L.; Calvino, F.; Calviani, M.; Cano-Ott, D.; Casanovas, A.; Cerutti, F.; Chen, Y. H.; Chiaveri, E.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M. A.; Cosentino, L.; Domingo-Pardo, C.; Dressler, R.; Dupont, E.; Duran, I.; Eleme, Z.; Fernandez-Dominguez, B.; Ferrari, A.; Finocchiaro, P.; Goebel, K.; Gawlik-Ramiega, A.; Gilardoni, S.; Glodariu, T.; Goncalves, I. F.; Gonzalez-Romero, E.; Guerrero, C.; Gunsing, F.; Harada, H.; Heyse, J.; Jenkins, D. G.; Jericha, E.; Kaepfeler, F.; Kadi, Y.; Kimura, A.; Kivel, N.; Kokkoris, M.; Kurtulgil, D.; Ladarescu, I.; Leeb, H.; Lerendegui-Marco, J.; Lo Meo, S.; Lonsdale, S.; Manna, A.; Martinez, T.; Masi, A.; Massimi, C.; Mastinu, P.; Matteucci, F.; Maugeri, E. A.; Mazzone, A.; Mendoza, E.; Mengoni, A.; Michalopoulou, V.; Milazzo, P. M.; Musumarra, A.; Negret, A.; Nolte, R.; Ogallar, F.; Oprea, A.; Patronis, N.; Pavlik, A.; Perkowski, J.; Piersanti, L.; Porras, I.; Praena, J.; Quesada, J. M.; Radeck, D.; Ramos-Doval, D.; Rauscher, T.; Reifarth, R.; Rochman, D.; Rubbia, C.; Sabate-Gilarte, M.; Saxena, A.; Schillebeeckx, P.; Schumann, D.; Smith, A. G.; Stamatopoulos, A.; Tain, J. L.; Talip, T.; Tarifeno-Saldivia, A.; Tassan-Got, L.; Torres-Sanchez, P.; Tsinganis, A.; Ulrich, J.; Urlass, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Woods, P. J.; Wright, T.; Žugec, P.
Measurement of the $^{77}\text{Se}(n, \gamma)$ cross section up to 200 keV at the n_TOF facility at CERN
PHYSICAL REVIEW C. **107** (2023), 6; 65805
DOI: <https://doi.org/10.1103/PhysRevC.107.065805>

162. van der Vlugt, D.; Hodge, J. A.; Jin, S.; Algera, H. S. B.; Leslie, S. K.; Riechers, D. A.; Rottgering, H.; Smolčić, V.; Walter, F.
An Ultradeep Multiband Very Large Array Survey of the Faint Radio Sky (COSMOS-XS):
New Constraints on the Optically Dark Population
ASTROPHYSICAL JOURNAL. **951** (2023), 2; 131
DOI: <https://doi.org/10.3847/1538-4357/acd549>
163. Vrdoljak, Josip; Boban, Zvonimir; Barić, Domjan; Šegvić, Darko; Kumrić, Marko; Avirović, Manuela; Balja, Melita Perić; Milković Periša, Marija; Tomasović, Čedna; Tomić, Snježana; Vrdoljak, Eduard; Božić, Joško
Applying Explainable Machine Learning Models for Detection of Breast Cancer Lymph Node Metastasis in Patients Eligible for Neoadjuvant Treatment
CANCERS. **15** (2023), 3; 634
DOI: <https://doi.org/10.3390/cancers15030634>
164. Wang, Ziteng; Wang, Xiangdong; Hu, Zhichan; Bongiovanni, Domenico; Jukic, Dario; Tang, Liqin; Song, Daohong; Morandotti, Roberto; Chen, Zhigang; Buljan, Hrvoje
Sub-symmetry-protected topological states
NATURE PHYSICS. **19** (2023), 7; 992
DOI: <https://doi.org/10.1038/s41567-023-02011-9>
165. Zhang, Yahui; Bongiovanni, Domenico; Wang, Ziteng; Wang, Xiangdong; Xia, Shiqi; Hu, Zhichan; Song, Daohong; Jukic, Dario; Xu, Jingjun; Morandotti, Roberto; Buljan, Hrvoje; Chen, Zhigang
Realization of photonic p-orbital higher-order topological insulators
ELIGHT. **3** (2023), 1; 5
DOI: <https://doi.org/10.1186/s43593-022-00039-7>
166. Zhao, J.; Ebran, J. -P.; Heitz, L.; Khan, E.; Mercier, F.; Nikšić, T.; Vretenar, D.
Microscopic description of α , 2α and cluster decays of $^{216-220}\text{Rn}$ and $^{220-224}\text{Ra}$
PHYSICAL REVIEW C. **107** (2023), 3; 34311
DOI: <https://doi.org/10.1103/PhysRevC.107.034311>
167. Zhao, Xin; Li, Zhipan; Vretenar, Dario
An improved microscopic core-quasiparticle coupling model for spectroscopy of odd-mass nuclei with octupole correlations
INTERNATIONAL JOURNAL OF MODERN PHYSICS E. **32** (2023), 10; 2340006
DOI: <https://doi.org/10.1142/S0218301323400062>

168. Zhao, Yuhao; Leuch, Anina; Zilberberg, Oded; Štrkalj, Antonio
Electron optics using negative refraction in two-dimensional inverted-band pn junctions
PHYSICAL REVIEW B. **108** (2023), 19; 195301
DOI: <https://doi.org/10.1103/PhysRevB.108.195301>