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PRIRODOSLOVNO - MATEMATIČKI FAKULTET
Sveučilište u Zagrebu

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Sveučilište u Zagrebu
Prirodoslovno-matematički fakultet
Fizički odsjek

**ZNANSTVENE PUBLIKACIJE
FIZIČKOG ODSJEKA
2013.**

ZNANSTVENE PUBLIKACIJE FIZIČKOG ODSJEKA U 2013. GODINI (Web of Science Core Collection)

1. Abbas, E.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
EUROPEAN PHYSICAL JOURNAL C. **73** (11), 2617 (2013)
DOI: [10.1140/epjc/s10052-013-2617-1](https://doi.org/10.1140/epjc/s10052-013-2617-1)
IF (2013): 5.436
2. Abbas, E.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Performance of the ALICE VZERO system
JOURNAL OF INSTRUMENTATION. **8**, P10016 (2013)
DOI: [10.1088/1748-0221/8/10/P10016](https://doi.org/10.1088/1748-0221/8/10/P10016)
IF (2013): 1.526
3. Abbas, E.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s}=0.9$, 2.76 and 7 TeV measured by ALICE
EUROPEAN PHYSICAL JOURNAL C. **73** (7), 2496 (2013)
DOI: [10.1140/epjc/s10052-013-2496-5](https://doi.org/10.1140/epjc/s10052-013-2496-5)
IF (2013): 5.436
4. Abbas, E.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
 J/ψ Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICAL REVIEW LETTERS. **111** (16), 162301 (2013)
DOI: [10.1103/PhysRevLett.111.162301](https://doi.org/10.1103/PhysRevLett.111.162301)
IF (2013): 7.728
5. Abbas, E.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **726** (4-5), 610-622 (2013)
DOI: [10.1016/j.physletb.2013.09.022](https://doi.org/10.1016/j.physletb.2013.09.022)
IF (2013): 6.019

6. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Directed flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$
PHYSICAL REVIEW LETTERS. **111** (23), 232302 (2013)
DOI: [10.1103/PhysRevLett.111.232302](https://doi.org/10.1103/PhysRevLett.111.232302)
IF (2013): 7.728
7. Abelev, B.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Coherent J / ψ photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$
PHYSICS LETTERS B. **718** (4-5), 1273-1283 (2013)
DOI: [10.1016/j.physletb.2012.11.059](https://doi.org/10.1016/j.physletb.2012.11.059)
IF (2013): 6.019
8. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Long-range angular correlations of π , K and p in p-Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$
PHYSICS LETTERS B. **726** (1-3), 164-177 (2013)
DOI: [10.1016/j.physletb.2013.08.024](https://doi.org/10.1016/j.physletb.2013.08.024)
IF (2013): 6.019
9. Abelev, B. ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) K_S^0 and Λ production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$
PHYSICAL REVIEW LETTERS. **111** (22), 222301 (2013)
DOI: [10.1103/PhysRevLett.111.222301](https://doi.org/10.1103/PhysRevLett.111.222301)
IF (2013): 7.728
10. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) D Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$
PHYSICAL REVIEW LETTERS. **111** (10), 102301 (2013)
DOI: [10.1103/PhysRevLett.111.102301](https://doi.org/10.1103/PhysRevLett.111.102301)
IF (2013): 7.728
11. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Centrality dependence of π , K, and p production in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$
PHYSICAL REVIEW C. **88** (4), 44910 (2013)
DOI: [10.1103/PhysRevC.88.044910](https://doi.org/10.1103/PhysRevC.88.044910)
IF (2013): 3.881

12. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in p + Pb Collisions at $\sqrt{s}_{NN}=5.02$ TeV PHYSICAL REVIEW LETTERS. **110** (8), 82302 (2013)
DOI: [10.1103/PhysRevLett.110.082302](https://doi.org/10.1103/PhysRevLett.110.082302)
IF (2013): 7.728
13. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s}=2.76$ TeV PHYSICS LETTERS B. **722** (4-5), 262-272 (2013)
DOI: [10.1016/j.physletb.2013.04.026](https://doi.org/10.1016/j.physletb.2013.04.026)
IF (2013): 6.019
14. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Centrality determination of Pb-Pb collisions at $\sqrt{s}_{NN}=2.76$ TeV with ALICE PHYSICAL REVIEW C. **88** (4), 44909 (2013)
DOI: [10.1103/PhysRevC.88.044909](https://doi.org/10.1103/PhysRevC.88.044909)
IF (2013): 3.881
15. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Pseudorapidity Density of Charged Particles in p + Pb Collisions at $\sqrt{s}_{NN}=5.02$ TeV PHYSICAL REVIEW LETTERS. **110** (3), 32301 (2013)
DOI: [10.1103/PhysRevLett.110.032301](https://doi.org/10.1103/PhysRevLett.110.032301)
IF (2013): 7.728
16. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s}_{NN}=2.76$ TeV PHYSICS LETTERS B. **723** (4-5), 267-279 (2013)
DOI: [10.1016/j.physletb.2013.05.039](https://doi.org/10.1016/j.physletb.2013.05.039)
IF (2013): 6.019
17. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration) Charged kaon femtoscopic correlations in pp collisions at $\sqrt{s}=7$ TeV PHYSICAL REVIEW D. **87** (5), 52016 (2013)
DOI: [10.1103/PhysRevD.87.052016](https://doi.org/10.1103/PhysRevD.87.052016)
IF (2013): 4.864

18. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC
PHYSICS LETTERS B. **727** (4-5), 371-380 (2013)
DOI: [10.1016/j.physletb.2013.10.054](https://doi.org/10.1016/j.physletb.2013.10.054)
IF (2013): 6.019
19. Abedev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC
JOURNAL OF HIGH ENERGY PHYSICS. **2013** (9), 49 (2013)
DOI: [10.1007/JHEP09\(2013\)049](https://doi.org/10.1007/JHEP09(2013)049)
IF (2013): 6.220
20. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE
EUROPEAN PHYSICAL JOURNAL C. **73** (12), 2662 (2013)
DOI: [10.1140/epjc/s10052-013-2662-9](https://doi.org/10.1140/epjc/s10052-013-2662-9)
IF (2013): 5.436
21. Abedev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV
PHYSICS LETTERS B. **720** (1-3), 52-62 (2013)
DOI: [10.1016/j.physletb.2013.01.051](https://doi.org/10.1016/j.physletb.2013.01.051)
IF (2013): 6.019
22. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE
EUROPEAN PHYSICAL JOURNAL C. **73** (6), 2456 (2013)
DOI: [10.1140/epjc/s10052-013-2456-0](https://doi.org/10.1140/epjc/s10052-013-2456-0)
IF (2013): 5.436
23. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s}=7$ TeV
PHYSICS LETTERS B. **721** (1-3), 13-23 (2013)
DOI: [10.1016/j.physletb.2013.01.069](https://doi.org/10.1016/j.physletb.2013.01.069)
IF (2013): 6.019

24. Abelev, B.; ...; Antičić, T.; ...; Gotovac, S.; ...; Mudnić, E.; ...; Planinić, M.; ...; Poljak, N.; ...; Simatović, G.; ...; Šuša, T.; ...; Vicković, L.; ...; Zyzak, M. (ALICE Collaboration)
Long-range angular correlations on the near and away side in p-Pb collisions at $\sqrt{s}_{NN}=5.02$ TeV
PHYSICS LETTERS B. **719** (1-3), 29-41 (2013)
DOI: [10.1016/j.physletb.2013.01.012](https://doi.org/10.1016/j.physletb.2013.01.012)
IF (2013): 6.019
25. Achenbach, P.; Rodriguez, M. Gomez; Tsukada, K.; Gayoso, C. Ayerbe; Boehm, R.; Borodina, O.; Bosnar, D.; Bozkurt, V.; Bydzovsky, P.; Debenjak, L.; Distler, M. O.; Esser, A.; Friščić, I.; Fujii, Y.; Gogami, T.; Hashimoto, O.; Hirose, S.; Kanda, H.; Kaneta, M.; Kim, E.; Margaryan, A.; Merkel, H.; Mueller, U.; Nagao, S.; Nakamura, S. N.; Pochodzalla, J.; Rappold, C.; Reinhold, J.; Saito, T. R.; Lorente, A. Sanchez; Majos, S. Sanchez; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Širca, S.; Tang, L.; Thiel, M. (A1 Collaboration)
Overview of the electromagnetic production of strange mesons at MAMI
NUCLEAR PHYSICS A. **914**, 41-50 (2013)
DOI: [10.1016/j.nuclphysa.2013.01.019](https://doi.org/10.1016/j.nuclphysa.2013.01.019)
IF (2013): 2.499
26. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Third harmonic flow of charged particles in Au + Au collisions at $\sqrt{s}_{NN}=200$ GeV
PHYSICAL REVIEW C. **88** (1), 14904 (2013)
DOI: [10.1103/PhysRevC.88.014904](https://doi.org/10.1103/PhysRevC.88.014904)
IF (2013): 3.881
27. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Elliptic flow of identified hadrons in Au + Au collisions at $\sqrt{s}_{NN}=7.7\text{-}62.4$ GeV
PHYSICAL REVIEW C. **88** (1), 14902 (2013)
DOI: [10.1103/PhysRevC.88.014902](https://doi.org/10.1103/PhysRevC.88.014902)
IF (2013): 3.881
28. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions
PHYSICAL REVIEW LETTERS. **110** (14), 142301 (2013)
DOI: [10.1103/PhysRevLett.110.142301](https://doi.org/10.1103/PhysRevLett.110.142301)
IF (2013): 7.728
29. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
Measurement of J/ψ Azimuthal Anisotropy in Au + Au Collisions at $\sqrt{s}_{NN}=200$ GeV
PHYSICAL REVIEW LETTERS. **111** (5), 52301 (2013)
DOI: [10.1103/PhysRevLett.111.052301](https://doi.org/10.1103/PhysRevLett.111.052301)
IF (2013): 7.728

30. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 Fluctuations of charge separation perpendicular to the event plane and local parity violation in $\sqrt{s_{NN}}=200$ GeV Au + Au collisions at the BNL Relativistic Heavy Ion Collider
PHYSICAL REVIEW C. **88** (6), 64911 (2013)
 DOI: [10.1103/PhysRevC.88.064911](https://doi.org/10.1103/PhysRevC.88.064911)
 IF (2013): 3.881
31. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 Freeze-out dynamics via charged kaon femtoscopy in $\sqrt{s_{NN}}=200$ GeV central Au + Au collisions
PHYSICAL REVIEW C. **88** (3), 34906 (2013)
 DOI: [10.1103/PhysRevC.88.034906](https://doi.org/10.1103/PhysRevC.88.034906)
 IF (2013): 3.881
32. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}}=62.4$ and 200 GeV at the BNL Relativistic Heavy Ion Collider
PHYSICAL REVIEW C. **87** (6), 64902 (2013)
 DOI: [10.1103/PhysRevC.87.064902](https://doi.org/10.1103/PhysRevC.87.064902)
 IF (2013): 3.881
33. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 J/ψ production at high transverse momenta in p + p and Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV
PHYSICS LETTERS B. **722** (1-3), 55-62 (2013)
 DOI: [10.1016/j.physletb.2013.04.010](https://doi.org/10.1016/j.physletb.2013.04.010)
 IF (2013): 6.019
34. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 Single spin asymmetry AN in polarized proton-proton elastic scattering at $\sqrt{s}=200$ GeV
PHYSICS LETTERS B. **719** (1-3), 62-69 (2013)
 DOI: [10.1016/j.physletb.2013.01.014](https://doi.org/10.1016/j.physletb.2013.01.014)
 IF (2013): 6.019
35. Adamczyk, L.; ...; Planinić, M.; ...; Poljak, N.; ...; Zyzak, M. (STAR Collaboration)
 Experimental studies of di-jets in Au + Au collisions using angular correlations with respect to back-to-back leading hadrons
PHYSICAL REVIEW C. **87** (4), 44903 (2013)
 DOI: [10.1103/PhysRevC.87.044903](https://doi.org/10.1103/PhysRevC.87.044903)
 IF (2013): 3.881
36. Adare, A.; ...; Makek, M.; ...; Zolin, L. (PHENIX Collaboration)
 Medium Modification of Jet Fragmentation in Au + Au Collisions at $\sqrt{s_{NN}}=200$ GeV Measured in Direct Photon-Hadron Correlations
PHYSICAL REVIEW LETTERS. **111** (3), 32301 (2013)
 DOI: [10.1103/PhysRevLett.111.032301](https://doi.org/10.1103/PhysRevLett.111.032301)
 IF (2013): 7.728

37. Ananthanarayanan, V.; Schattat, M.; Vogel, S. K.; Krull, A.; Pavin, N.; Tolić-Norrellykke, I. M. Dynein Motion Switches from Diffusive to Directed upon Cortical Anchoring
CELL. **153** (7), 1526-1536 (2013)
 DOI: [10.1016/j.cell.2013.05.020](https://doi.org/10.1016/j.cell.2013.05.020)
 IF (2013): 33.116
38. Androić, D.; Armstrong, D. S.; Asaturyan, A.; Averett, T.; Balewski, J.; Beaufait, J.; Beminiwattha, R. S.; Benesch, J.; Benmokhtar, F.; Birchall, J.; Carlini, R. D.; Cates, G. D.; Cornejo, J. C.; Covrig, S.; Dalton, M. M.; Davis, C. A.; Deconinck, W.; Diefenbach, J.; Dowd, J. F.; Dunne, J. A.; Dutta, D.; Duvall, W. S.; Elaasar, M.; Falk, W. R.; Finn, J. M.; Forest, T.; Gaskell, D.; Gericke, M. T. W.; Grames, J.; Gray, V. M.; Grimm, K.; Guo, F.; Hoskins, J. R.; Johnston, K.; Jones, D.; Jones, M.; Jones, R.; Kargiantoulakis, M.; King, P. M.; Korkmaz, E.; Kowalski, S.; Leacock, J.; Leckey, J.; 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.; Meekins, D.; Mei, J.; Michaels, R.; Micherdzinska, A.; Mkrtchyan, A.; Mkrtchyan, H.; Morgan, N.; Myers, K. E.; Narayan, A.; Ndukum, L. Z.; Nelyubin, V.; Nuruzzaman; van Oers, W. T. H.; Opper, A. K.; Page, S. A.; Pan, J.; Paschke, K. D.; Phillips, S. K.; Pitt, M. L.; Poelker, M.; Rajotte, J. F.; Ramsay, W. D.; Roche, J.; Sawatzky, B.; Ševa, T.; Shabestari, M. H.; Silwal, R.; Šimičević, N.; Smith, G. R.; Solvignon, P.; Spayde, D. T.; Subedi, A.; Subedi, R.; Suleiman, R.; Tadevosyan, V.; Tobias, W. A.; Tsvaskis, V.; Waidyawansa, B.; Wang, P.; Wells, S. P.; Wood, S. A.; Yang, S.; Young, R. D.; Zhamkochyan, S. (Qweak Collaboration)
 First Determination of the Weak Charge of the Proton
PHYSICAL REVIEW LETTERS. **111** (14), 141803 (2013)
 DOI: [10.1103/PhysRevLett.111.141803](https://doi.org/10.1103/PhysRevLett.111.141803)
 IF (2013): 7.728
39. Aschenauer, E. C.; Fazio, S.; Kumerički, K.; Mueller, D.
 Deeply virtual Compton scattering at a proposed high-luminosity Electron-Ion Collider
JOURNAL OF HIGH ENERGY PHYSICS. **2013** (9), 93 (2013)
 DOI: [10.1007/JHEP09\(2013\)093](https://doi.org/10.1007/JHEP09(2013)093)
 IF (2013): 6.220
40. Baćani, M.; Novak, M.; Kokanović, I.; Babić, D.
 Hopping electron transport in doped polyaniline: An experimental verification of the Fogler-Teber-Shklovskii model
SYNTHETIC METALS. **172**, 28-31 (2013)
 DOI: [10.1016/j.synthmet.2013.03.019](https://doi.org/10.1016/j.synthmet.2013.03.019)
 IF (2013): 2.222

41. Barbagallo, M.; Guerrero, C.; Tsinganis, A.; Tarrio, D.; Altstadt, S.; Andriamonje, S.; Andrzejewski, J.; Audouin, L.; 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.; Duran, I.; Dressler, R.; Dzysiuk, N.; Eleftheriadis, C.; Ferrari, A.; Fraval, K.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Goebel, K.; Gomez-Hornillos, M. B.; Goncalves, I. F.; Gonzalez-Romero, E.; Griesmayer, E.; Gunsing, F.; Gurusamy, P.; Hernandez-Prieto, A.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaeppler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Krticka, M.; Kroll, J.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; 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.; Papaevangelou, T.; Paradela, C.; Pavlik, A.; Perkowski, J.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Roman, F.; Rubbia, C.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Steinegger, P.; Tagliente, G.; Tain, J. L.; Tassan-Got, L.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Versaci, R.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Wright, T.; Žugec, P. (nTOF Collaboration)
High-accuracy determination of the neutron flux at n_TOF
EUROPEAN PHYSICAL JOURNAL A. **49** (12), 156 (2013)
DOI: [10.1140/epja/i2013-13156-x](https://doi.org/10.1140/epja/i2013-13156-x)
IF (2013): 2.421
42. Benić, S.
Physical interpretation of the dressed Polyakov loop in the Nambu-Jona- Lasinio model
PHYSICAL REVIEW D. **88** (7), (2013)
DOI: [10.1103/PhysRevD.88.077501](https://doi.org/10.1103/PhysRevD.88.077501)
IF (2013): 4.864
43. Bonora, L.; Cvitan, M.; Prester, P. Dominis; Pallua, S.; Smolić, I.
Stationary rotating black holes in theories with gravitational Chern-Simons Lagrangian term
PHYSICAL REVIEW D. **87** (2), 24047 (2013)
DOI: [10.1103/PhysRevD.87.024047](https://doi.org/10.1103/PhysRevD.87.024047)
IF (2013): 4.864
44. Bonora, L.; Cvitan, M.; Prester, P. Dominis; Pallua, S.; Smolić, I.
Symmetries and gravitational Chern-Simons Lagrangian terms
PHYSICS LETTERS B. **725** (4-5), 468-472 (2013)
DOI: [10.1016/j.physletb.2013.07.036](https://doi.org/10.1016/j.physletb.2013.07.036)
IF (2013): 6.019

45. Bosnar, S.; Bosnar, D.; Ren, N.; Rajić, N.; Gržeta, B.; Subotić, B.
Positron lifetimes in pores of some low-silica zeolites: influence of water content, crystal size and structural type
JOURNAL OF POROUS MATERIALS. **20** (5), 1329-1336 (2013)
DOI: [10.1007/s10934-013-9718-y](https://doi.org/10.1007/s10934-013-9718-y)
IF (2013): 1.316
46. Casola, F.; Shiroka, T.; Feiguin, A.; Wang, S.; Grbić, M. S.; Horvatić, M.; Kraemer, S.; Mukhopadhyay, S.; Conder, K.; Berthier, C.; Ott, H. -R.; Ronnow, H. M.; Rueegg, Ch.; Mesot, J.
Field-Induced Quantum Soliton Lattice in a Frustrated Two-Leg Spin-1/2 Ladder
PHYSICAL REVIEW LETTERS. **110** (18), 187201 (2013)
DOI: [10.1103/PhysRevLett.110.187201](https://doi.org/10.1103/PhysRevLett.110.187201)
IF (2013): 7.728
47. Debosscher, J.; Aerts, C.; Tkachenko, A.; Pavlovski, K.; Maceroni, C.; Kurtz, D.; Beck, P. G.; Bloemen, S.; Degroote, P.; Lombaert, R.; Southworth, J.
KIC 11285625: A double-lined spectroscopic binary with a gamma Doradus pulsator discovered from Kepler space photometry
ASTRONOMY & ASTROPHYSICS. **556**, A56 (2013)
DOI: [10.1051/0004-6361/201321702](https://doi.org/10.1051/0004-6361/201321702)
IF (2013): 4.479
48. Despoja, V.; Lončarić, I.; Mowbray, D. J.; Marušić, L.
Quasiparticle spectra and excitons of organic molecules deposited on substrates: G_0W_0 -BSE approach applied to benzene on graphene and metallic substrates
PHYSICAL REVIEW B. **88** (23), 235437 (2013)
DOI: [10.1103/PhysRevB.88.235437](https://doi.org/10.1103/PhysRevB.88.235437)
IF (2013): 3.664
49. Despoja, V.; Novko, D.; Dekanić, K.; Šunjić, M.; Marušić, L.
Two-dimensional and π plasmon spectra in pristine and doped graphene
PHYSICAL REVIEW B. **87** (7), 75447 (2013)
DOI: [10.1103/PhysRevB.87.075447](https://doi.org/10.1103/PhysRevB.87.075447)
IF (2013): 3.664
50. Despoja, V.; Šunjić, M.
Theory of core-level spectra in x-ray photoemission of pristine and doped graphene
PHYSICAL REVIEW B. **88** (24), 245416 (2013)
DOI: [10.1103/PhysRevB.88.245416](https://doi.org/10.1103/PhysRevB.88.245416)
IF (2013): 3.664

51. Di Pietro, A.; Figuera, P.; Strano, E.; Fisichella, M.; Goryunov, O.; Lattuada, M.; Maiolino, C.; Marchetta, C.; Milin, M.; Musumarra, A.; Ostashko, V.; Pellegriti, M. G.; Privitera, V.; Randisi, G.; Romano, L.; Santonocito, D.; Scuderi, V.; Torresi, D.; Zadro, M.
 Heavy residue excitation functions for the collisions $^{6,7}\text{Li} + ^{64}\text{Zn}$ near the Coulomb barrier
PHYSICAL REVIEW C. **87** (6), 64614 (2013)
 DOI: [10.1103/PhysRevC.87.064614](https://doi.org/10.1103/PhysRevC.87.064614)
 IF (2013): 3.881
52. Ebran, J. -P.; Khan, E.; Nikšić, T.; Vretenar, D.
 Localization and clustering in the nuclear Fermi liquid
PHYSICAL REVIEW C. **87** (4), 44307 (2013)
 DOI: [10.1103/PhysRevC.87.044307](https://doi.org/10.1103/PhysRevC.87.044307)
 IF (2013): 3.881
53. Esser, A.; Nagao, S.; Schulz, F.; Bleser, S.; Steinen, M.; Achenbach, P.; Gayoso, C. Ayerbe; Boehm, R.; Borodina, O.; Bosnar, D.; Botvina, A.; Bozkurt, V.; Debenjak, L.; Distler, M. O.; Friščić, I.; Fujii, Y.; Gogami, T.; Rodriguez, M. Gomez; Hashimoto, O.; Hirose, S.; Kanda, H.; Kaneta, M.; Kim, E.; Kohl, Y.; Kusaka, J.; Margaryan, A.; Merkel, H.; Mihovilović, M.; Mueller, U.; Nakamura, S. N.; Pochodzalla, J.; Rappold, C.; Reinhold, J.; Saito, T. R.; Lorente, A. Sanchez; Majos, S. Sanchez; Schlimme, B. S.; Schoth, M.; Sfienti, C.; Širca, S.; Tang, L.; Thiel, M.; Tsukada, K.; Weber, A.; Yoshida, K. (A1 Collaboration)
 Prospects for hypernuclear physics at Mainz: From KAOS @MAMI to PANDA@FAIR
NUCLEAR PHYSICS A. **914**, 519-529 (2013)
 DOI: [10.1016/j.nuclphysa.2013.02.008](https://doi.org/10.1016/j.nuclphysa.2013.02.008)
 IF (2013): 2.499
54. Glunčić, M.; Paar, V.
 Direct mapping of symbolic DNA sequence into frequency domain in global repeat map algorithm
NUCLEIC ACIDS RESEARCH. **41** (1), e17 (2013)
 DOI: [10.1093/nar/gks721](https://doi.org/10.1093/nar/gks721)
 IF (2013): 8.808
55. Grbić, M. S.; Kraemer, S.; Berthier, C.; Trouselet, F.; Cepas, O.; Tanaka, H.; Horvatić, M.
 Microscopic Properties of the Pinwheel Kagome Compound $\text{Rb}_2\text{Cu}_3\text{SnF}_{12}$
PHYSICAL REVIEW LETTERS. **110** (24), 247203 (2013)
 DOI: [10.1103/PhysRevLett.110.247203](https://doi.org/10.1103/PhysRevLett.110.247203)
 IF (2013): 7.728

56. Guerrero, C.; Tsinganis, A.; Berthoumieux, E.; Barbagallo, M.; Belloni, F.; Gunsing, F.; Weiss, C.; Chiaveri, E.; Calviani, M.; Vlachoudis, V.; Altstadt, S.; Andriamonje, S.; Andrzejewski, J.; Audouin, L.; Becares, V.; Becvar, F.; Billowes, J.; Boccone, V.; Bosnar, D.; Brugger, M.; Calvino, F.; Cano-Ott, D.; Carrapico, C.; Cerutti, F.; Chin, M.; Colonna, N.; Cortes, G.; Cortes-Giraldo, M.; Diakaki, M.; Domingo-Pardo, C.; Duran, I.; Dressler, R.; Dzysiuk, N.; Eleftheriadis, C.; Ferrari, A.; Fraval, K.; Ganesan, S.; Garcia, A. R.; Giubrone, G.; Goebel, K.; Gomez-Hornillos, M. B.; Goncalves, I. F.; Gonzalez-Romero, E.; Griesmayer, E.; Gurusamy, P.; Hernandez-Prieto, A.; Gurusamy, P.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaeppler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Krticka, M.; Kroll, J.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; Losito, R.; Manousos, A.; Marganiec, J.; Martinez, T.; Massimi, C.; Mastinu, P. F.; Mastromarco, M.; Meaze, M.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Migrone, F.; Mirea, M.; Mondalaers, W.; Papaevangelou, T.; Paradela, C.; Pavlik, A.; Perkowski, J.; Plompert, A.; Praena, J.; Quesada, M.; Rauscher, T.; Reifarth, R.; Riego, A.; Roman, F.; Rubbia, C.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Steinegger, P.; Tagliente, G.; Tain, J. L.; Tarrio, D.; Tassan-Got, L.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Versaci, R.; Vermeulen, M. J.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Wright, T.; Žugec, P. (nTOF Collaboration)
Performance of the neutron time-of-flight facility n_TOF at CERN
EUROPEAN PHYSICAL JOURNAL A. **49** (2), 27 (2013)
DOI: [10.1140/epja/i2013-13027-6](https://doi.org/10.1140/epja/i2013-13027-6)
IF (2013): 2.421
57. Hambleton, K. M.; Kurtz, D. W.; Prša, A.; Guzik, J. A.; Pavlovski, K.; Bloemen, S.; Southworth, J.; Conroy, K.; Littlefair, S. P.; Fuller, J.
KIC 4544587: an eccentric, short-period binary system with delta Sct pulsations and tidally excited modes
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **434** (2), 925-940 (2013)
DOI: [10.1093/mnras/stt886](https://doi.org/10.1093/mnras/stt886)
IF (2013): 5.226
58. Hanslmeier, A; Brajsa, R.; Čalogović, J.; Vršnak, B.; Ruždjak, D.; Steinhilber, F.; MacLeod, C. L.; Ivezić, Z.; Skokić, I.
The chaotic solar cycle II. Analysis of cosmogenic Be-10 data
ASTRONOMY & ASTROPHYSICS. 550, Article Number: A6 (2013)
DOI: [10.1051/0004-6361/201015215](https://doi.org/10.1051/0004-6361/201015215)
IF (2013): 4.479
59. Horvat, R.; Ilakovac, A.; Trampetić, J.; You, J.
Self-energies on deformed spacetimes
JOURNAL OF HIGH ENERGY PHYSICS. **2013** (11), 71 (2013)
DOI: [10.1007/JHEP11\(2013\)071](https://doi.org/10.1007/JHEP11(2013)071)
IF (2013): 6.220

60. Huynh, M. T.; Norris, R. P.; Coppin, K. E. K.; Emonts, B. H. C.; Ivison, R. J.; Seymour, N.; Smail, Ian; Smolčić, V.; Swinbank, A. M.; Brandt, W. N.; Chapman, S. C.; Dannerbauer, H.; De Breuck, C.; Greve, T. R.; Hodge, J. A.; Karim, A.; Knudsen, K. K.; Menten, K. M.; van der Werf, P. P.; Walter, F.; Weiss, A.
Physical conditions of the gas in an ALMA [C II]-identified submillimetre galaxy at z=4.44
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. **431** (1), L88-L92 (2013)
DOI: [10.1093/mnrasl/slt014](https://doi.org/10.1093/mnrasl/slt014)
IF (2013): 5.226
61. Ilakovac, A.; Pilaftsis, A.; Popov, L.
Charged lepton flavor violation in supersymmetric low-scale seesaw models
PHYSICAL REVIEW D. **87** (5), 53014 (2013)
DOI: [10.1103/PhysRevD.87.053014](https://doi.org/10.1103/PhysRevD.87.053014)
IF (2013): 4.864
62. Jablan, M.; Soljačić, M.; Buljan, H.
Plasmons in Graphene: Fundamental Properties and Potential Applications
PROCEEDINGS OF THE IEEE. **101** (7), 1689-1704 (2013)
DOI: [10.1109/JPROC.2013.2260115](https://doi.org/10.1109/JPROC.2013.2260115)
IF (2013): 5.466
63. Jagličić, Z.; Pajić, D.; Trontelj, Z.; Dolinšek, J.; Jagodić, M.
Magnetic memory effect in multiferroic $K_3Fe_5F_{15}$ and $K_3Cr_2Fe_3F_{15}$
APPLIED PHYSICS LETTERS. **102** (24), 242410 (2013)
DOI: [10.1063/1.4811762](https://doi.org/10.1063/1.4811762)
IF (2013): 3.515
64. Jukić, D.; Buljan, H.
Four-dimensional photonic lattices and discrete tesseract solitons
PHYSICAL REVIEW A. **87** (1), 13814 (2013)
DOI: [10.1103/PhysRevA.87.013814](https://doi.org/10.1103/PhysRevA.87.013814)
IF (2013): 2.991
65. Kadigrobov, A. M.; Bjeliš, A.; Radić, D.
Peierls-type structural phase transition in a crystal induced by magnetic breakdown
EUROPEAN PHYSICAL JOURNAL B. **86** (6), 276 (2013)
DOI: [10.1140/epjb/e2013-40206-1](https://doi.org/10.1140/epjb/e2013-40206-1)
IF (2013): 1.463
66. Kalinina, I.; Nandi, A.; Delivani, P.; Chacon, M. R.; Klemm, A. H.; Ramunno-Johnson, D.; Krull, A.; Lindner, B.; Pavin, N.; Tolić-Norrelykke, I. M.
Pivoting of microtubules around the spindle pole accelerates kinetochore capture
NATURE CELL BIOLOGY. **15** (1), 82-87 (2013)
DOI: [10.1038/ncb2640](https://doi.org/10.1038/ncb2640)
IF (2013): 20.058

67. Kang, W.-R.; Woo, J.-H.; Schulze, A.; Riechers, D. A.; Kim, S. C.; Park, D.; Smolčić, V.
Calibrating stellar velocity dispersions based on spatially resolved h-band spectra for improving
the $M_{BH}-\sigma^*$ relation
ASTROPHYSICAL JOURNAL. **767** (1), 26 (2013)
DOI: [10.1088/0004-637X/767/1/26](https://doi.org/10.1088/0004-637X/767/1/26)
IF (2013): 6.280
68. Khan, E.; Paar, N.; Vretenar, D.; Cao, Li-Gang; Sagawa, H.; Colo, G.
Incompressibility of finite fermionic systems: Stable and exotic atomic nuclei
PHYSICAL REVIEW C. **87** (6), 64311 (2013)
DOI: [10.1103/PhysRevC.87.064311](https://doi.org/10.1103/PhysRevC.87.064311)
IF (2013): 3.881
69. Klajn, B.; Smolić, I.
Subtleties of invariance, covariance and observer independence
EUROPEAN JOURNAL OF PHYSICS. **34** (4), 887-899 (2013)
DOI: [10.1088/0143-0807/34/4/887](https://doi.org/10.1088/0143-0807/34/4/887)
IF (2013): 0.619
70. Kokanović, I.; Hills, D. J.; Sutherland, M. L.; Liang, R.; Cooper, J. R.
Diamagnetism of $YBa_2Cu_3O_{6+x}$ crystals above T_c : Evidence for Gaussian fluctuations
PHYSICAL REVIEW B. **88** (6), 60505 (2013)
DOI: [10.1103/PhysRevB.88.060505](https://doi.org/10.1103/PhysRevB.88.060505)
IF (2013): 3.664
71. Krasznahorkay, A.; Csatlos, M.; Stuhl, L.; Algora, A.; Gulyas, J.; Timar, J.; Paar, N.; Vretenar, D.;
Harakeh, M. N. (R3B Collaboration; EXL Collaboration)
A new method for measuring neutron-skin thickness in rare isotope beams
ACTA PHYSICA POLONICA B. **44** (3), 559-562 (2013)
DOI: [10.5506/APhysPolB.44.559](https://doi.org/10.5506/APhysPolB.44.559)
IF (2013): 0.998
72. Krasznahorkay, A.; Paar, N.; Vretenar, D.; Harakeh, M. N.
Neutron-skin thickness of ^{208}Pb from the energy of the anti-analogue giant dipole resonance
PHYSICA SCRIPTA. **T154**, 14018 (2013)
DOI: [10.1088/0031-8949/2013/T154/014018](https://doi.org/10.1088/0031-8949/2013/T154/014018)
IF (2013): 1.296
73. Krasznahorkay, A.; Paar, N.; Vretenar, D.; Harakeh, M. N.
Anti-analog giant dipole resonances and the neutron skin of nuclei
PHYSICS LETTERS B. **720** (4-5), 428-432 (2013)
DOI: [10.1016/j.physletb.2013.02.043](https://doi.org/10.1016/j.physletb.2013.02.043)
IF (2013): 6.019

74. Kupčić, I.; Rukelj, Z.; Barišić, S.
 Quantum transport equations for low-dimensional multiband electronic systems: I
JOURNAL OF PHYSICS-CONDENSED MATTER. **25** (14), 145602 (2013)
 DOI: [10.1088/0953-8984/25/14/145602](https://doi.org/10.1088/0953-8984/25/14/145602)
 IF (2013): 2.223
75. Lederer, C.; Massimi, C.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; 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.; Duran, I.; Dressler, R.; 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.; Gunsing, F.; Gurusamy, P.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kaeppeler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Korschinek, G.; Krticka, M.; Kroll, J.; Langer, C.; Leeb, H.; Leong, L. S.; Losito, R.; Manousos, A.; Marganiec, J.; Martinez, T.; Mastinu, P. F.; Mastromarco, M.; Meaze, M.; Mendoza, E.; Mengoni, A.; Milazzo, P. M.; Mingrone, F.; Mirea, M.; Mondelaers, W.; Paradela, C.; Pavlik, A.; Perkowski, J.; Pignatari, M.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Roman, F.; Rubbia, C.; Sarmento, R.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Tagliente, G.; Tain, J. L.; Tarrio, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Versaci, R.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Weiss, C.; Wright, T. J.; Žugec, P. (nTOF Collaboration)
 Neutron Capture Cross Section of Unstable ^{63}Ni : Implications for Stellar Nucleosynthesis
PHYSICAL REVIEW LETTERS. **110** (2), 22501 (2013)
 DOI: [10.1103/PhysRevLett.110.022501](https://doi.org/10.1103/PhysRevLett.110.022501)
 IF (2013): 7.728
76. Lehmann, H.; Southworth, J.; Tkachenko, A.; Pavlovski, K.
 Physical properties of the eclipsing delta Scuti star KIC 10661783
ASTRONOMY & ASTROPHYSICS. **557**, A79 (2013)
 DOI: [10.1051/0004-6361/201321400](https://doi.org/10.1051/0004-6361/201321400)
 IF (2013): 4.479
77. Li, Z. P.; Song, B. Y.; Yao, J. M.; Vretenar, D.; Meng, J.
 Simultaneous quadrupole and octupole shape phase transitions in Thorium
PHYSICS LETTERS B. **726** (4-5), 866-869 (2013)
 DOI: [10.1016/j.physletb.2013.09.035](https://doi.org/10.1016/j.physletb.2013.09.035)
 IF (2013): 6.019
78. Lončarek, I.; Tonejc, A. M. M.; Skoko, Ž.; Novosel, N.; Mustapić, M.; Zadro, K.
 Composition and Morphology Investigation of NiCoB Nanoparticles, as-Prepared and Coated by SiO_2
CROATICA CHEMICA ACTA. **86** (3), 297-307 (2013)
 DOI: [10.5562/cca2234](https://doi.org/10.5562/cca2234)
 IF (2013): 0.556

79. Lucas, A. A.; Šunjić, M.; Benedek, G.
Multiple excitation of Fuchs-Kliewer phonons by Ne^+ ions back-scattered by the LiF(100) surface at grazing incidence
JOURNAL OF PHYSICS-CONDENSED MATTER. **25** (35), 355009 (2013)
DOI: [10.1088/0953-8984/25/35/355009](https://doi.org/10.1088/0953-8984/25/35/355009)
IF (2013): 2.223
80. Ma, E.; Picek, I.; Radovčić, B.
New scotogenic model of neutrino mass with $U(1)_D$ gauge interaction
PHYSICS LETTERS B. **726** (4-5), 744-746 (2013)
DOI: [10.1016/j.physletb.2013.09.049](https://doi.org/10.1016/j.physletb.2013.09.049)
IF (2013): 6.019
81. Maceroni, C.; Montalban, J.; Gandolfi, D.; Pavlovski, K.; Rainer, M.
CoRoT 102918586: a γ Doradus pulsator in a short-period eccentric eclipsing binary
ASTRONOMY & ASTROPHYSICS. **552**, A60 (2013)
DOI: [10.1051/0004-6361/201220755](https://doi.org/10.1051/0004-6361/201220755)
IF (2013): 4.479
82. Mayer, P.; Harmanec, P.; Pavlovski, K.
HD 165246: an early-type binary with a low mass ratio
ASTRONOMY & ASTROPHYSICS. **550**, A2 (2013)
DOI: [10.1051/0004-6361/201220388](https://doi.org/10.1051/0004-6361/201220388)
IF (2013): 4.479
83. Meng, J.; Chen, Y.; Liang, H. Z.; Niu, Y. F.; Niu, Z. M.; Song, L. S.; Zhao, P. W.; Li, Z.; Sun, B.; Xu, X. D.; Li, Z. P.; Yao, J. M.; Long, W. H.; Nikšić, T.; Vretenar, D.
Mass and lifetime of unstable nuclei in covariant density functional theory
PHYSICA SCRIPTA. **T154**, 14010 (2013)
DOI: [10.1088/0031-8949/2013/T154/014010](https://doi.org/10.1088/0031-8949/2013/T154/014010)
IF (2013): 1.296
84. Mueller, S.; Kraehling, T.; Veža, D.; Horvatić, V.; Vadla, C.; Franzke, J.
Operation modes of the helium dielectric barrier discharge for soft ionization
SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. **85**, 104-111 (2013)
DOI: [10.1016/j.sab.2013.04.005](https://doi.org/10.1016/j.sab.2013.04.005)
IF (2013): 3.150
85. Mustapić, M.; Horvat, J.; Hossain, M. S.; Skoko, Ž.; Dou, S. X.
Enhancing superconducting properties of MgB_2 pellets by addition of amorphous magnetic Ni-Co-B nanoparticles
SUPERCONDUCTOR SCIENCE & TECHNOLOGY. **26** (7), 75013 (2013)
DOI: [10.1088/0953-2048/26/7/075013](https://doi.org/10.1088/0953-2048/26/7/075013)
IF (2013): 2.796

86. Nakamura, S. N.; Matsumura, A.; Okayasu, Y.; Ševa, T.; Rodriguez, V. M.; Baturin, P.; Yuan, L.; Acha, A.; Ahmidouch, A.; Androić, D.; Asatryan, A.; Asatryan, R.; Baker, O. K.; Benmokhtar, F.; Bosted, P.; Carlini, R.; Chen, C.; Christy, M.; Cole, L.; Danagoulian, S.; Daniel, A.; Dharmawardane, V.; Egiyan, K.; Elaasar, M.; Ent, R.; Fenker, H.; Fujii, Y.; Furic, M.; Gan, L.; Gaskell, D.; Gasparian, A.; Gibson, E. F.; Gogami, T.; Gueye, P.; Han, Y.; Hashimoto, O.; Hiyama, E.; Honda, D.; Horn, T.; Hu, B.; Hungerford, Ed V.; Jayalath, C.; Jones, M.; Johnston, K.; Kalantarians, N.; Kanda, H.; Kaneta, M.; Kato, F.; Kato, S.; Kawama, D.; Keppel, C.; Lan, K. J.; Luo, W.; Mack, D.; Maeda, K.; Malace, S.; Margaryan, A.; Marikyan, G.; Markowitz, P.; Maruta, T.; Maruyama, N.; Miyoshi, T.; Mkrtchyan, A.; Mkrtchyan, H.; Nagao, S.; Navasardyan, T.; Niculescu, G.; Niculescu, M. -I.; Nomura, H.; Nonaka, K.; Ohtani, A.; Oyamada, M.; Perez, N.; Petković, T.; Randeniya, S.; Reinhold, J.; Roche, J.; Sato, Y.; Segbefia, E. K.; Šimičević, N.; Smith, G.; Song, Y.; Sumihama, M.; Tadevosyan, V.; Takahashi, T.; Tang, L.; Tsukada, K.; Tvaskis, V.; Vulcan, W.; Wells, S.; Wood, S. A.; Yan, C.; Zhamkochyan, S. (HKS JLab E01-011 Collaboration) *Observation of the ${}^7\Lambda$ He Hypernucleus by the ($e, e' K^+$) Reaction*
PHYSICAL REVIEW LETTERS. **110** (1), 12502 (2013)
DOI: [10.1103/PhysRevLett.110.012502](https://doi.org/10.1103/PhysRevLett.110.012502)
IF (2013): 7.728
87. Nikšić, G.; Kupčić, I.; Sunko, D. K.; Barišić, S.
In-Plane Oxygens in High-Temperature Superconducting Cuprates
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. **26** (8), 2669-2673 (2013)
DOI: [10.1007/s10948-013-2157-9](https://doi.org/10.1007/s10948-013-2157-9)
IF (2013): 0.930
88. Nikšić, T.; Kralj, N.; Tutiš, T.; Vretenar, D.; Ring, P.
Implementation of the finite amplitude method for the relativistic quasiparticle random-phase approximation
PHYSICAL REVIEW C. **88** (4), 44327 (2013)
DOI: [10.1103/PhysRevC.88.044327](https://doi.org/10.1103/PhysRevC.88.044327)
IF (2013): 3.881
89. Niu, Y. F.; Niu, Z. M.; Paar, N.; Vretenar, D.; Wang, G. H.; Bai, J. S.; Meng, J.
Pairing transitions in finite-temperature relativistic Hartree-Bogoliubov theory
PHYSICAL REVIEW C. **88** (3), 34308 (2013)
DOI: [10.1103/PhysRevC.88.034308](https://doi.org/10.1103/PhysRevC.88.034308)
IF (2013): 3.881
90. Niu, Z. M.; Niu, Y. F.; Liang, H. Z.; Long, W. H.; Nikšić, T.; Vretenar, D.; Meng, J.
 β -decay half-lives of neutron-rich nuclei and matter flow in the r-process
PHYSICS LETTERS B. **723** (1-3), 172-176 (2013)
DOI: [10.1016/j.physletb.2013.04.048](https://doi.org/10.1016/j.physletb.2013.04.048)
IF (2013): 6.019

91. Nomura, K.; Vretenar, D.; Lu, B. -N.
Microscopic analysis of the octupole phase transition in Th isotopes
PHYSICAL REVIEW C. **88** (2), 21303 (2013)
DOI: [10.1103/PhysRevC.88.021303](https://doi.org/10.1103/PhysRevC.88.021303)
IF (2013): 3.881
92. Novak, M.; Kokanović, I.
Magnetoresistivity of hydrogen-doped Zr₂(3d) metallic glasses
JOURNAL OF NON-CRYSTALLINE SOLIDS. **376**, 86-89 (2013)
DOI: [10.1016/j.jnoncrysol.2013.05.028](https://doi.org/10.1016/j.jnoncrysol.2013.05.028)
IF (2013): 1.716
93. Novosel, N.; Babić, E.
Influence of magnetic nanoparticles on superconductivity of MgB₂
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. **493**, 119-124 (2013)
DOI: [10.1016/j.physc.2013.03.043](https://doi.org/10.1016/j.physc.2013.03.043)
IF (2013): 1.110
94. Novosel, N.; Galić, S.; Pajić, D.; Skoko, Ž.; Lončarek, I.; Mustapić, M.; Zadro, K.; Babić, E.
Effect of magnetic NiCoB nanoparticles on superconductivity in MgB₂ wires
SUPERCONDUCTOR SCIENCE & TECHNOLOGY. **26** (6), 065004 (2013)
DOI: [10.1088/0953-2048/26/6/065004](https://doi.org/10.1088/0953-2048/26/6/065004)
IF (2013): 2.796
95. Novosel, N.; Galić, S.; Pajić, D.; Skoko, Ž.; Lončarek, I.; Mustapić, M.; Zadro, K.; Babić, E.
Enhancement of critical fields and current of MgB₂ by co-doping
SUPERCONDUCTOR SCIENCE & TECHNOLOGY. **26** (10), 105024 (2013)
DOI: [10.1088/0953-2048/26/10/105024](https://doi.org/10.1088/0953-2048/26/10/105024)
IF (2013): 2.796
96. Paar, N.; Tutman, H.; Marketin, T.; Fischer, T.
Large-scale calculations of supernova neutrino-induced reactions in Z=8-82 target nuclei
PHYSICAL REVIEW C. **87** (2), 25801 (2013)
DOI: [10.1103/PhysRevC.87.025801](https://doi.org/10.1103/PhysRevC.87.025801)
IF (2013): 3.881
97. Pajić, D.; Jagodić, M.; Jagličić, Z.; Holc, J.; Kosec, M.; Trontelj, Z.
Competing antiferromagnetism and local magnetic order in the bulk ceramic PZT-PFW
multiferroic system: searching for the most promising ratio between PZT and PFW
JOURNAL OF PHYSICS D-APPLIED PHYSICS. **46** (45), 455001 (2013)
DOI: [10.1088/0022-3727/46/45/455001](https://doi.org/10.1088/0022-3727/46/45/455001)
IF (2013): 2.521

98. Palaversa, L.; Ivezić, Ž.; Eyer, L.; Ruždjak, D.; Sudar, D.; Galin, M.; Kroflin, A.; Mesarić, M.; Munk, P.; Vrbanec, D.; Božić, H.; Loebman, S.; Sesar, B.; Rimoldini, L.; Hunt-Walker, N.; VanderPlas, J.; Westman, D.; Stuart, J. S.; Becker, A. C.; Srdoč, G.; Wozniak, P.; Oluseyi, H.
EXPLORING THE VARIABLE SKY WITH LINEAR. III. CLASSIFICATION OF PERIODIC LIGHT CURVES
ASTRONOMICAL JOURNAL. 146 (4), Article Number: 101 (2013)
DOI: [10.1088/0004-6256/146/4/101](https://doi.org/10.1088/0004-6256/146/4/101)
IF (2013): 4.052
99. Pavin, N.; Tolić-Norrelykke, I. M.
Dynein, microtubule and cargo: a menage a trois
BIOCHEMICAL SOCIETY TRANSACTIONS. 41, 1731-1735 (2013)
DOI: [10.1042/BST20130235](https://doi.org/10.1042/BST20130235)
IF (2013): 3.238
100. Picek, I.; Radovčić, B.
Enhancement of $h \rightarrow \gamma\gamma$ by seesaw-motivated exotic scalars
PHYSICS LETTERS B. 719 (4-5), 404-408 (2013)
DOI: [10.1016/j.physletb.2013.01.056](https://doi.org/10.1016/j.physletb.2013.01.056)
IF (2013): 6.019
101. Planinić, M.; Ivanjek, L.; Sušac, A.; Milin-Šipuš, Ž.
Comparison of university students' understanding of graphs in different contexts
PHYSICAL REVIEW SPECIAL TOPICS-PHYSICS EDUCATION RESEARCH. 9 (2), 020103 (2013)
DOI: [10.1103/PhysRevSTPER.9.020103](https://doi.org/10.1103/PhysRevSTPER.9.020103)
IF (2013): 1.573
102. Popov, L.
Newtonian-Machian analysis of the neo-Tychonian model of planetary motions
EUROPEAN JOURNAL OF PHYSICS. 34 (2), 383-391 (2013)
DOI: [10.1088/0143-0807/34/2/383](https://doi.org/10.1088/0143-0807/34/2/383)
IF (2013): 0.619
103. Prassa, V.; Nikšić, T.; Vretenar, D.
Structure of transactinide nuclei with relativistic energy density functionals
PHYSICAL REVIEW C. 88 (4), 044324 (2013)
DOI: [10.1103/PhysRevC.88.044324](https://doi.org/10.1103/PhysRevC.88.044324)
IF (2013): 3.881
104. Radić, D.; Gorelik, L. Y.
Quantum Theory of Magnetoemotive Instability in Nanoelectromechanical Systems with Positive Differential Conductance
PHYSICAL REVIEW LETTERS. 111 (18), 186802 (2013)
DOI: [10.1103/PhysRevLett.111.186802](https://doi.org/10.1103/PhysRevLett.111.186802)
IF (2013): 7.728

105. Raghavender, A. T.; Nguyen Hoa Hong; Lee, Kyu Joon; Jung, Myung-Hwa; Skoko, Ž.; Vasilevskiy, M.; Cerqueira, M. F.; Samantilleke, A. P.
Nano-ilmenite FeTiO₃: Synthesis and characterization
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. **331**, 129-132 (2013)
DOI: [10.1016/j.jmmm.2012.11.028](https://doi.org/10.1016/j.jmmm.2012.11.028)
IF (2013): 2.002
106. Reinhard, P. -G.; Piekarewicz, J.; Nazarewicz, W.; Agrawal, B. K.; Paar, N.; Roca-Maza, X.
Information content of the weak-charge form factor
PHYSICAL REVIEW C. **88** (3), 34325 (2013)
DOI: [10.1103/PhysRevC.88.034325](https://doi.org/10.1103/PhysRevC.88.034325)
IF (2013): 3.881
107. Ristić, M.; Popović, S.; Musić, S.
Formation of Oxide Phases in the System Pr-Fe-O
CROATICA CHEMICA ACTA. **86** (3), 281-285 (2013)
DOI: [10.5562/cca2247](https://doi.org/10.5562/cca2247)
IF (2013): 0.556
108. Roca-Maza, X.; Brenna, M.; Agrawal, B. K.; Bortignon, P. F.; Colo, G.; Cao, Li-Gang; Paar, N.; Vretenar, D.
Giant quadrupole resonances in ²⁰⁸Pb, the nuclear symmetry energy, and the neutron skin thickness
PHYSICAL REVIEW C. **87** (3), 34301 (2013)
DOI: [10.1103/PhysRevC.87.034301](https://doi.org/10.1103/PhysRevC.87.034301)
IF (2013): 3.881
109. Roca-Maza, X.; Brenna, M.; Colo, G.; Centelles, M.; Vinas, X.; Agrawal, B. K.; Paar, N.; Vretenar, D.; Piekarewicz, J.
Electric dipole polarizability in ²⁰⁸Pb: Insights from the droplet model
PHYSICAL REVIEW C. **88** (2), 24316 (2013)
DOI: [10.1103/PhysRevC.88.024316](https://doi.org/10.1103/PhysRevC.88.024316)
IF (2013): 3.881
110. Rosandić, M.; Glunčić, M.; Paar, V.
Start/stop codon like trinucleotides extensions in primate alpha satellites
JOURNAL OF THEORETICAL BIOLOGY. **317**, 301-309 (2013)
DOI: [10.1016/j.jtbi.2012.09.022](https://doi.org/10.1016/j.jtbi.2012.09.022)
IF (2013): 2.303
111. Rosandić, M.; Paar, V.; Glunčić, M.
Fundamental role of start/stop regulators in whole DNA and new trinucleotide classification
GENE. **531** (2), 184-190 (2013)
DOI: [10.1016/j.gene.2013.09.021](https://doi.org/10.1016/j.gene.2013.09.021)
IF (2013): 2.082

112. Schlimme, B. S.; Achenbach, P.; Ayerbe Gayoso, C. A.; Bernauer, J. C.; Boehm, R.; Bosnar, D.; Challand, Th.; Distler, M. O.; Doria, L.; Fellenberger, F.; Fonvieille, H.; Rodriguez, M. Gomez; Grabmayr, P.; Hehl, T.; Heil, W.; Kiselev, D.; Krimmer, J.; Makek, M.; Merkel, H.; Middleton, D. G.; Mueller, U.; Nungesser, L.; Ott, B. A.; Pochodzalla, J.; Potokar, M.; Sanchez Majos, S.; Sargsian, M. M.; Sick, I.; Širca, S.; Weinrifer, M.; Wendel, M.; Yoon, C. J. (A1 Collaboration) Measurement of the Neutron Electric to Magnetic Form Factor Ratio at $Q^2=1.58$ GeV 2 Using the Reaction $(3)(H)\xrightarrow{(e)}(e'n)pp$
PHYSICAL REVIEW LETTERS. **111** (13), 132504 (2013)
DOI: [10.1103/PhysRevLett.111.132504](https://doi.org/10.1103/PhysRevLett.111.132504)
IF (2013): 7.728
113. Scoville, N.; Arnouts, S.; Aussel, H.; Benson, A.; Bongiorno, A.; Bundy, K.; Calvo, M. A. A.; Capak, P.; Carollo, M.; Civano, F.; Dunlop, J.; Elvis, M.; Faisst, A.; Finoguenov, A.; Fu, Hai; Giavalisco, M.; Guo, Q.; Ilbert, O.; Iovino, A.; Kajisawa, M.; Kartaltepe, J.; Leauthaud, A.; Le Fevre, O.; LeFloch, E.; Lilly, S. J.; Liu, C. T. -C.; Manohar, S.; Massey, R.; Masters, D.; McCracken, H. J.; Mobasher, B.; Peng, Y. -J.; Renzini, A.; Rhodes, J.; Salvato, M.; Sanders, D. B.; Sarvestani, B. D.; Scarlata, C.; Schinnerer, E.; Sheth, K.; Shopbell, P. L.; Smolčić, V.; Taniguchi, Y.; Taylor, J. E.; White, S. D. M.; Yan, L.
Evolution of galaxies and their environments at $z=0.1-3$ in cosmos
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES. **206** (1), 3 (2013)
DOI: [10.1088/0067-0049/206/1/3](https://doi.org/10.1088/0067-0049/206/1/3)
IF (2013): 11.215
114. Scuderi, V.; Di Pietro, A.; Moro, A. M.; Acosta, L.; Amorini, F.; Borge, M. J. G.; Figuera, P.; Fisichella, M.; Fraile, L. M.; Gomez-Camacho, J.; Jeppesen, H.; Lattuada, M.; Martel, I.; Milin, M.; Musumarra, A.; Papa, M.; Pellegriti, M. G.; Perez-Bernal, F.; Raabe, R.; Randisi, G.; Rizzo, F.; Scalia, G.; Tengblad, O.; Torresi, D.; Maira Vidal, A.; Voulot, D.; Wenander, F.; Zadro, M.
Elastic scattering for the $^{11}\text{Be} + ^{64}\text{Zn}$ system close to the coulomb barrier
ACTA PHYSICA POLONICA B. **44** (3), 463-466 (2013)
DOI: [10.5506/APhysPolB.44.463](https://doi.org/10.5506/APhysPolB.44.463)
IF (2013): 0.998
115. Sparveris, N.; Stave, S.; Achenbach, P.; Gayoso, C. Ayerbe; Baumann, D.; Bernauer, J.; Bernstein, A. M.; Boehm, R.; Bosnar, D.; Botto, T.; Christopoulou, A.; Dale, D.; Ding, M.; Distler, M. O.; Doria, L.; Friedrich, J.; Karabarounis, A.; Makek, M.; Merkel, H.; Mueller, U.; Nakagawa, I.; Neuhausen, R.; Nungesser, L.; Papanicolas, C. N.; Piegza, A.; Pochodzalla, J.; Potokar, M.; Seimetz, M.; Širca, S.; Stiliaris, S.; Walcher, Th.; Weis, M. (A1 Collaboration) Measurements of the $\gamma^* p \rightarrow \Delta$ reaction at low Q^2
EUROPEAN PHYSICAL JOURNAL A. **49** (10), 136 (2013)
DOI: [10.1140/epja/i2013-13136-2](https://doi.org/10.1140/epja/i2013-13136-2)
IF (2013): 2.421

116. Torresi, D.; Stanko, D.; Di Pietro, A.; Figuera, P.; Fisichella, M.; Lattuada, M.; Milin, M.; Musumarra, A.; Pellegriti, M.; Scuderi, V.; Strano, E.; Zadro, M.
 Influence of the interstrip gap on the response and the efficiency of Double Sided Silicon Strip Detectors
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **713**, 11-18 (2013)
 DOI: [10.1016/j.nima.2013.02.027](https://doi.org/10.1016/j.nima.2013.02.027)
 IF (2013): 1.316
117. Tsukada, K.; Achenbach, P.; Gayoso, C. Ayerbe; Boehm, R.; Borodina, O.; Bosnar, D.; Bozkurt, V.; Debenjak, L.; Distler, M.; Esser, A.; Friščić, I.; Fujii, Y.; Gogami, T.; Gomez, M.; Hashimoto, O.; Hirose, S.; Kim, E.; Margaryan, A.; Merkel, H.; Mueller, U.; Nagao, S.; Nakamura, S. N.; Pochodzalla, J.; Rappold, C.; Reinhold, J.; Lorente, A. Sanchez; Saito, T.; Schlimme, B. S.; Schoth, M.; Schulz, F.; Sfienti, C.; Širca, S.; Tang, L. (A1 Collaboration)
 Decay Pion Spectroscopy of Electro-Produced Hypernuclei
 FEW-BODY SYSTEMS. **54** (1-4), 375-379 (2013)
 DOI: [10.1007/s00601-012-0402-6](https://doi.org/10.1007/s00601-012-0402-6)
 IF (2013): 1.508
118. Vecchiato, G.; Sušac, A.; Margeti, S.; Fallani, F. De Vico; Maglione, A. G.; Supek, S.; Planinić, M.; Babiloni, F.
 High-Resolution EEG Analysis of Power Spectral Density Maps and Coherence Networks in a Proportional Reasoning Task
 BRAIN TOPOGRAPHY. **26** (2), 303-314 (2013)
 DOI: [10.1007/s10548-012-0259-5](https://doi.org/10.1007/s10548-012-0259-5)
 IF (2013): 2.519
119. Weiss, C.; Griesmayer, E.; Guerrero, C.; Altstadt, S.; Andrzejewski, J.; Audouin, L.; Badurek, G.; Barbagallo, M.; Becares, V.; Becvar, F.; Belloni, F.; Berthoumieux, E.; Billowes, J.; Boccone, V.; Bosnar, D.; Brugger, M.; Calyiani, 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.; Duran, I.; Dressler, R.; 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.; Gunsing, F.; Gurusamy, P.; Hernandez-Prieto, A.; Jenkins, D. G.; Jericha, E.; Kadi, Y.; Kappeler, F.; Karadimos, D.; Kivel, N.; Koehler, P.; Kokkoris, M.; Krticka, M.; Kroll, J.; Lampoudis, C.; Langer, C.; Leal-Cidoncha, E.; Lederer, C.; Leeb, H.; Leong, L. S.; Losito, R.; Mallick, A.; 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.; Paradela, C.; Pavlik, A.; Perkowski, J.; Plompen, A.; Praena, J.; Quesada, J. M.; Rauscher, T.; Reifarth, R.; Riego, A.; Robles, M. S.; Roman, F.; Rubbia, C.; Sabate-Gilarte, M.; Sarmento, R.; Saxena, A.; Schillebeeckx, P.; Schmidt, S.; Schumann, D.; Tagliente, G.; Tain, J. L.; Tarrio, D.; Tassan-Got, L.; Tsinganis, A.; Valenta, S.; Vannini, G.; Variale, V.; Vaz, P.; Ventura, A.; Versaci, R.; Vermeulen, M. J.; Vlachoudis, V.; Vlastou, R.; Wallner, A.; Ware, T.; Weigand, M.; Wright, T.; Žugec, P. (nTOF Collaboration)
 A new CVD diamond mosaic-detector for (n, α) cross-section measurements at the n_TOF

experiment at CERN

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS
SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. **732**, 190-194 (2013)

DOI: [10.1016/j.nima.2013.07.040](https://doi.org/10.1016/j.nima.2013.07.040)

IF (2013): 1.316

120. Zadro, M.; Figuera, P.; Di Pietro, A.; Fisichella, M.; Lattuada, M.; Lonnroth, T.; Milin, M.; Ostashko, V.; Pellegriti, M. G.; Scuderi, V.; Stanko, D.; Strano, E.; Torresi, D.
Quasielastic backscattering and barrier distributions for the $^{6,7}\text{Li} + ^{64}\text{Zn}$ systems
PHYSICAL REVIEW C. **87** (5), 54606 (2013)
DOI: [10.1103/PhysRevC.87.054606](https://doi.org/10.1103/PhysRevC.87.054606)
IF (2013): 3.881