

## NAFRO2 publications 2024-25

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2. I. C. Stefanescu, L. Trache, A. Saastamoinen, B. T. Roeder, A. E. Spiridon, A. I. Stefanescu, E. Pollacco, G. Lotay, R. E. Tribble,  [\$\beta\$ -delayed proton decay of  \$^{27}\text{P}\$  and  \$^{25}\text{Si}\$ : Implications for the  \$^{26}\text{Al}\(p, \gamma\)^{27}\text{Si}\$  reaction rate](#), PHYSICAL REVIEW C 110, 015804 (2024).
3. L. Ponnath, T. Aumann, C. A. Bertulani... L. Trache et al., R3B Collaboration, [Measurement of nuclear interaction cross sections towards neutron-skin thickness determination](#), PHYSICS LETTERS B 885, 138780 (2024).
4. L. Stuhl, M. Sasano, J. Gao, ... A. I. Chilug, ... I. C. Stefanescu, ... L. Trache, D. Tudor, et al. , [Study of Gamow-Teller giant resonance in  \$^{11}\text{Li}\$  drip-line nucleus](#), NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS 47, 39 (2024).
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6. Spartà, R; Spiridon, A;... ; Trache, L; Tumino, A., EUROPEAN PHYSICAL JOURNAL A, 61 (2025) 151; DOI: 10.1140/epja/s10050-025-01627-0, Published Date: 2025 JUL 1 Solid.target.production.for.astrophysical.research;the.European.target.laboratory.partnership.in.ChETEC\_INFRA
7. Bishop, S; Stanciu, I; (...); Gialanella, L. Trache, Mar 1, 2025, PLANETARY SCIENCE JOURNAL 6(3). Discovery.of.Extraterrestrial.800Pu.in.8.Million.Year.Old.Fossilized.Stromatolites.First.observation.of.MNT.isotope.beams.at.the.FRS.Ion.Catcher
8. Mollaebrahimi, A; Constantin, P; (...); Zhao, JW, May 2025, NUCLEAR PHYSICS A, 1057
9. Precise.measurement.of.nuclear.interaction.cross.sections.towards.neutron\_skin.determination.with.R9B, Ponnath, L; Aumann, T; (...); L. Trache, ... Wamers, F, Apr 2025, NUCLEAR PHYSICS A, 1056
10. Elekes, Z; Panin, ; (...); Yoshitome, Y, Oct 1 2024, JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 51(10). Low\_lying.excited.states.in. $^{62}\text{Ge}$ .investigated.by.multinucleon.knock\_out.reaction

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