

Lista de lucrări:

Articole:

1. B. Corobean et al., 'Laser-plasma acceleration of quasi-monoenergetic carbon ion beams with the "peeler" scheme', *Matter Radiat. Extremes* 10, 057204 (2025), <https://doi.org/10.1063/5.0273104>
2. C.-J. Yang et al., 'A new scheme for isomer pumping and depletion with high-power lasers', *Matter Radiat. Extremes* 10, 057201 (2025), <https://doi.org/10.1063/5.0251667>
3. P. Tomassini et al., 'Ultra-high-brightness and tuneable attosecond-long electron beams with the laser wake field acceleration', *Scientific Reports* volume 15, Article number: 40794 (2025), <https://doi.org/10.1038/s41598-025-24672-7>
4. Li, Y., Teleanu, F. & Jerschow, A. Identifying intermolecular multiple-quantum coherences in ionic liquids. *Journal of Magnetic Resonance* 381, 107984 (2025) <https://doi.org/10.1016/j.jmr.2025.107984>
5. C.-J. Yang, Further theoretical study on the renormalization group aspect of perturbative corrections, *Phys. Rev. C* 112 (2025), 014004. <https://doi.org/10.1016/j.jmr.2025.107984>

Articole de conferinta (proceedings papers)

6. B. Corobean et al., Quasi-monochromatic carbon ion beams using the "peeler" acceleration scheme, proceedings of the 51th EPS Conference on Contr. Fusion and Plasma Phys. https://lac913.epfl.ch/epsppd3/2025/html/PDF/O_158.pdf
7. C.-J. Yang, Nuclear transitions on demand, *EPJ Web of Conferences* 342, 01031 (2025) <https://doi.org/10.1051/epjconf/202534201031>
8. V. Horný, & D. Doria, Laser-driven proton acceleration with multi-PW pulses and single- and double-layer targets by 3D PIC simulations. *Proc. SPIE* 13535, Research Using Extreme Light Infrastructures: New Frontiers with Petawatt-Level Lasers VI, 1353505 (2025).
9. B. Corobean et al., Effects of laser pointing fluctuations on carbon ion acceleration with the peeler scheme. *Proc. SPIE* 13535, Research Using Extreme Light Infrastructures: New Frontiers with Petawatt-Level Lasers VI, 1353504 (2025).
10. C.-J. Yang et al. Nuclear physics under the low-energy, high-intensity frontier. *Proc. SPIE* 13535, Research Using Extreme Light Infrastructures: New Frontiers with Petawatt-Level Lasers VI, 1353506 (2025).