

CANDIDAT:

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Listă de lucrări publicate

1. D.S. Delion and S.A. Ghinescu, Geiger-Nuttall Law for Nuclei in Strong Electromagnetic Fields, Phys. Rev. Lett. 119, 202501, 2017
2. The NA62 Collaboration, Search for heavy neutral lepton production in K^+ decays, Phys. Lett. B 778, 137-145, 2018
3. The NA62 Collaboration, Search for production of an invisible dark photon in π^0 decays, JHEP 2019, 182, 2019
4. The NA62 Collaboration, First search for K^+ to π^+ $\nu \nu$ bar using the decay-in-flight technique, Phys. Lett. B 791, 156-166, 2019
5. The NA62 Collaboration, Searches for lepton number violating K^+ decays, Phys. Lett. B 797, 134794, 2019
6. The NA62 Collaboration, Search for heavy neutral lepton production in K^+ decays to positrons, Phys. Lett. B 807, 135599, 2019
7. The NA62 Collaboration, An investigation of the very rare $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ decay, JHEP 2020, 42, 2020
8. O. Nițescu, S. A. Ghinescu and S. Stoica, Lorentz violation effects in $2\nu\beta\beta$ decay, JPG 47, 055112, 2020
9. S.A. Ghinescu and D.S. Delion, Coupled-channels analysis of the α decay in strong electromagnetic fields, Phys. Rev. C 101, 044304, 2020
10. The NA62 Collaboration, Search for π^0 decays to invisible particles, JHEP 2021, 201, 2021
11. The NA62 Collaboration, Search for a feebly interacting particle X in the decay $K^+ \rightarrow \pi^+ X^+$, JHEP 2021, 58, 2021
12. The NA62 Collaboration, Measurement of the very rare $K^+ \rightarrow \pi^+ \nu \nu$ decay, JHEP 2021, 93, 2021
13. The NA62 Collaboration, Search for Lepton Number and Flavor Violation in K^+ and π^0 Decay, Phys. Rev. Lett. 127, 131802, 2021
14. O.V. Nițescu, S.A. Ghinescu, M. Mirea and S. Stoica, Probing Lorentz violation in $2\nu\beta\beta$ using single electron spectra and angular correlations, Phys. Rev. D 103, L031701, 2021
15. S.A. Ghinescu and D.S. Delion, Semiclassical propagator approach for emission processes from deformed nuclei, JPG 48, 105108, 2021
16. S.A. Ghinescu, B. Dobrich, E. Minucci and T. Spadaro, A biased MC for muon production for beam-dump experiments, EPJC 81, 767, 2021

17. The NA62 Collaboration, Performance of the NA62 trigger system, JHEP 2023, 03, 2022
18. The NA62 Collaboration, A measurement of the K^+ to $\pi^+ \mu^+ \mu^-$ decay, JHEP 2023, 06, 2022
19. The NA62 Collaboration, Search for lepton number violating K^+ to $\pi^- (\pi^0) e^+ e^-$ decays, Phys. Lett. B 830, 137172, 2022
20. The NA62 Collaboration, A measurement of the K^+ to $\mu^- \nu e^+ e^+$ decay, Phys. Lett. B 838, 137679, 2022
21. D.S. Delion and S.A. Ghinescu, Two-proton emission systematics, Phys. Rev. C 105, L031301, 2022
22. S. A. Ghinescu and D.S. Delion, Semimicroscopic model of two-proton emission, Phys. Rev. C 106 (3), 034602, 2022
23. S.A. Ghinescu, O.V. Nițescu and S. Stoica, Investigation of the Lorentz invariance violation in two-neutrino double-beta decay, Phys. Rev. D 105, 055032, 2022
24. The NA62 Collaboration, A measurement of the K^+ to $\pi^0 e^+ \nu \gamma$ decay, JHEP 2023, 09, 2023
25. The NA62 Collaboration, Search for the K^+ decays into $\pi^+ e^+ e^- e^+ e^-$ final state, Phys. Lett. B 846, 138193, 2023
26. V. A. Sevestrean, O. Nițescu, S. Ghinescu, and S. Stoica, Self-consistent calculations for atomic electron capture, Phys. Rev. A 108, 012810, 2023
27. The NA62 Collaboration, Search for dark photon decay to $\mu^+ \mu^-$ at NA62, JHEP 2023, 09, 2023

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