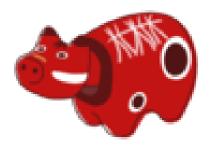
Single-particle and collective motions from nuclear many-body correlation (PCM2025)



Contribution ID: 2 Type: not specified

Theoretical study of the Isovector Monopole Resonance

Tuesday, 4 March 2025 11:15 (20 minutes)

Motivated by the experimental and theoretical interest on the Isovector Monopole Resonance, I will present a theoretical study of the charge-exchange and non-charge exchange Isovector Monopole Resonances in 48Ca, 90Zr and 208Pb calculated within the RPA approach. I will focus on their excitation energy and sum rules and discuss the possibility to relate them with the ground state properties of the same nucleus and with the nuclear matter incompressibility.

Type of contribution

Are you a student or postdoc?

no

Primary author: ROCA MAZA, Javier (University of Barcelona and University of Milan)

Presenter: ROCA MAZA, Javier (University of Barcelona and University of Milan)

Session Classification: session #1