



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  $^{48}\text{Ca}$ ,  $^{90}\text{Zr}$  and  $^{208}\text{Pb}$  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

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**Session Classification:** session #1