

## Single-particle structure of neutron-rich copper

*Tuesday, 1 August 2023 09:30 (25 minutes)*

The neutron-rich copper isotopes are an ideal laboratory to investigate nuclear structure at intermediate mass as in principle they allow to follow the movement of a single proton around a core of magic nickel. In this talk I shall briefly present the experimental data gathered from  $\beta$ -decay, laser spectroscopy, Coulomb excitation and transfer reactions, after which I shall focus on the results obtained from  $\gamma$ -spectroscopy at RIBF.

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**Session Classification:** Shell structure around  $^{78}\text{Ni}$  isotope