

Direct reactions and spectroscopy with hydrogen targets: past 10 years at the RIBF and future prospects

Contribution ID: 83

Type: **Invited talk**

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 β -decay, laser spectroscopy, Coulomb excitation and transfer reactions, after which I shall focus on the results obtained from γ -spectroscopy at RIBF.

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Session Classification: Shell structure around ^{78}Ni isotope