

Investigating the structures of neutron-rich Ca isotopes: Outcome of the first Zn-70 campaign at the RIBF

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The structures of neutron-rich nuclei around Ca-54 were investigated using in-beam gamma-ray spectroscopy via nucleon knockout reactions with Sc-55 and Ti-56 radioactive beams at the RIBF. This was the first experimental campaign at the facility to use a Zn-70 primary beam at 345 MeV/u. In this presentation a summary of the results and experiment details will be given, and future prospects for studies in this mass region with a Zn-70 beam will be discussed.

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