

Experiments of gamma decay from pygmy resonance

Tuesday, 16 September 2014 14:00 (20 minutes)

Experiments of NP1012-RIBF62 (T.Aumann), NP1306-RIBF51R1 (O.Wieland) and NP1312-RIBF56R1 (H.Baba) will be performed in 2014 fall at RIBF. Inelastic alpha scattering on $^{124/128/132}\text{Sn}$, $^{20/22/24}\text{O}$ and Coulomb excitation on $^{70/72}\text{Ni}$, $^{20/22/24}\text{O}$ isotopes are measured to investigate property of pygmy resonance in neutron rich nuclei. Since energy of gamma ray from pygmy region is relatively high, large volume LaBr3 detectors (HECTOR+) are installed together with DALI. In this presentation, our physics motivation and experimental methods will be introduced.

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