

Quadrupole collectivity in Island-of-Inversion Nuclei

Monday, 15 September 2014 14:00 (20 minutes)

Quadrupole deformation of the Island-of-Inversion has been studied by using in-beam gamma-ray spectroscopy via proton inelastic scattering. This study was performed in RIPS beamline at approximately 50A MeV to attack the neutron-rich side of the deformation region, such as ^{30}Ne and ^{36}Mg . This talk will present experimental deformation lengths of Ne and Mg isotopes and will discuss on their systematics.

Primary author: MICHIMASA, Shin'ichiro (CNS, Univ. of Tokyo)

Presenter: MICHIMASA, Shin'ichiro (CNS, Univ. of Tokyo)

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