

Shape transition in neutron-rich Cr isotopes

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Neutron-rich pf -shell region around ^{64}Cr is a candidate for the new deformation region analogous to the "island of inversion". In order to study the collective characteristics of the nuclei around this region, we have performed a proton inelastic scattering experiment on ^{60}Cr , ^{62}Cr and ^{58}Ti at RIPS. From the excitation energies of the 2^+ and 4^+ states and the cross sections to these states, indication for the onset of static deformation was found in ^{62}Cr .

Nov. 27 (Tue), 2007 13:30-
RIBF Conf. Hall, RIKEN

The seminar will be given in English.

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