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Study of proton shell evolution towards 78Ni

Wednesday, 11 September 2013 13:30 (20 minutes)

We will propose an experiment to investigate proton shell evolution towards 78Ni by means of in-beam gamma-ray spectroscopy with MINOS at RIBF. The goal of the experiment is to characterize a proton f7/2 hole states in the Cu isotopes populated by one-proton knockout reaction: (p,2p). This will allow us to understand a migration of shell structure induced by the tensor part of the nucleon-nucleon interaction. In the workshop, a physics motivation and feasibility for MINOS@RIBF campaign will be discussed.

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