

Shell-model study on the island of inversion: what has been clarified and what should be

Monday, 20 December 2010 11:30 (30 minutes)

I would like to survey the structure around the island of inversion from the viewpoint of the shell model. I will focus on the interplay of the shell gap which is varying with increasing proton number and the resulting many-body structure. It will be shown that the electromagnetic moment and the reaction cross section are used as useful tools for investigating the structure.

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