

The process of In-99 and In-101 analysis

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The doubly magic nucleus ^{100}Sn provides a crucial testing ground for nuclear structure studies, offering key insights into isospin symmetry and shell evolution. Based on the NP2112-RIBF211 in-beam experiment, we have analyzed the γ -ray spectra of ^{99}In and ^{101}In . Several new transitions have been observed in both nuclei, which have been tentatively assigned and incorporated into revised level schemes. These results are expected to provide valuable experimental evidence for the investigation of isospin-related phenomena and shell evolution in this region.

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