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On formation of bubble structure near the island of inversion

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Abstract content
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Depletion of the central density or formation of a hollow structure (Bubble) drew a lot of interest both from the theorists [1-3] as well as from the experimentalists [4,5] due to its conflicting nature vis-a-vis the property of saturation of the nuclear force. One can expect gross deviation from density saturation for finite Fermi systems in which single particle spectrum is discrete instead of a continuum. The formation of shells changes drastically for exotic nuclei having large isospins. As a result new properties of nuclei manifest in this region.

`It is generally believed that non-occupation of s-states of exotic nuclei leads to central depression of densit`

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