Contribution ID: 100 Type: Oral Presentations

Transition densities in odd-A nuclei

Wednesday 9 July 2025 16:00 (20 minutes)

We present new analytical results on transition densities and charge radii of odd-even spherical and transitional nuclei obtained using a microscopic approach. The results show a pronounced influence of the collective modes in the ground and excited states. Our main contribution is assessing the new terms and exemplifying their effects on several nuclei in the cadmium region.

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Session Classification: Nuclear Physics, Energy Science and Technology, Accelerators and beams

Track Classification: S07 - Nuclear Physics, Energy Science and Technology, Accelerators and beams