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Shape coexistence at the neutron rich edge; The cases of $N=20$, 28 and 40.

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I will discuss the mechanisms responsible for the shape transitions and coexistence in the very neutron rich regions around the magic neutron closures $N=20$, 28 and 40. I will show that the islands of inversion/deformation at $N=20$ and 28 merge in the Magnesium isotopes

Primary author: Dr POVES, Alfredo (Institute the Theoretical Physycs, Madrid, Spain)

Presenter: Dr POVES, Alfredo (Institute the Theoretical Physycs, Madrid, Spain)

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