

Localization and clustering in nuclei

Wednesday 13 July 2022 15:00 (30 minutes)

Nucleon localization, and formation of clusters in nucleonic matter and finite nuclei are explored in a framework based on nuclear energy density functionals. The liquid-cluster transition is investigated and different measures of localization are discussed. The formation and evolution of alpha-clusters in excited states of light and heavy nuclei are analysed.

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