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## Shape evolution of even- $A$ $\{112-124\}^{\text{A}}\text{Sn}$ isotopes within RHB

*Tuesday, 15 November 2022 11:00 (30 minutes)*

The evolution of even- $A$   $\{112-124\}^{\text{A}}\text{Sn}$  isotopes is investigated using the relativistic Hartree-Bogoliubov Theory within the explicit Density Dependent Meson-Exchange (DD-ME2) and Density-Dependent Point-Coupling (DD-PC1) models. The binding energies are compared to the predictions of finite range droplet model (FRDM) and to the available experimental data. A reasonable and satisfactory agreement between the theoretical models and experiment is established.

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