

## **Shape transition of Nd and Sm isotopes and neutrinoless double-beta decay nuclear matrix element of $^{150}\text{Nd}$**

We performed quasi-particle vacua shell-model calculations for even-even Nd and Sm isotopes. We discuss shape transition of Nd and Sm isotopes and neutrinoless double-beta decay nuclear matrix element of  $^{150}\text{Nd}$ .

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