

## **Study of the fission path energy of U-236 using microscopic mean-field model**

*Thursday, 26 November 2020 16:50 (2 hours)*

Microscopic mean-field model is one of strong methods for providing and improving fission-related nuclear data.

It needs appropriate effective interaction, but there is no effective interaction designed for fission path.

In order to tackle this problem, we calculate the U-236 potential energy surface with respect to the elongation of a nucleus and the mass asymmetry with existing Skyrme effective interactions.

We report the energy characteristics of potential energy surface and important parts for correcting the fission barrier.

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**Session Classification:** Poster