

## Symposium on Nuclear Data 2020

Ag102 12.9 m	Ag103 65.7 m	Ag104 69.2m	Ag105 41.29 d	S ymposium on	Ag107 51.839 %	Ag108 2.37 m	Ag109 48.161 %	Ag110 24.6 s	Ag111 7.45 d	Ag112 2.135 h
Pd101 8.47 h	Pd102 1.02 %	Pd103 16.991 d	Pd104 11.14 %	Pd105 22.33 %	N uclear	Pd107 6.3e+4 y	Pd108 26.46 %	Pd109 15.700(26)	Pd110 11.72 %	Pd111 23.4 ms
Rh100 20.8 h	Rh101 3.3 y	Rh102 2.72 d	Rh103 100 %	Rh104 42.3 s	Rh105 35.95 h	D ata	2020 Nov.	Rh108 9.0 m	Rh109 89 s	Rh110 3.3 s

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Type: **Poster Presentation**

## 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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