

4th RCM on Recommended Input Parameter Library (RIPL-4) for Fission Cross Section Calculations

Report of Contributions

Contribution ID: 8

Type: **not specified**

RIPL-4 update on the mass, nuclear level densities and fission segments in the framework of mean field models

Monday, March 18, 2024 10:30 AM (1h 30m)

Presenter: GORIELY, Stephane (ULB)

Session Classification: Opening and Presentations

Contribution ID: 9

Type: **not specified**

Fission barriers of actinides from multidimensionally-constrained relativistic mean field model

Monday, March 18, 2024 12:00 PM (1 hour)

Presenter: ZHOU, Shan-Gui (Institute of Theoretical Physics, Chinese Academy of Sciences)

Session Classification: Opening and Presentations

Contribution ID: **10**

Type: **not specified**

Static properties of the heaviest nuclei, including actinides and odd-A, from a macroscopic-microscopic perspective

Monday, March 18, 2024 2:00 PM (1 hour)

Presenter: KOWAL, Michal (NCBJ)

Session Classification: Presentation of results (II)

Contribution ID: 11

Type: **not specified**

Systematic calculation of fission barriers for Th, U, and Pu isotopes using Cassini-oval description of the nuclear shapes

Monday, March 18, 2024 3:00 PM (1 hour)

Presenter: CARJAN, Nicolae

Session Classification: Presentation of results (II)

Contribution ID: **12**

Type: **not specified**

Status on D1M fission paths

Monday, March 18, 2024 4:00 PM (1 hour)

Presenter: HILAIRE, Stéphane (CEA, DAM, DIF)

Session Classification: Presentation of results (II)

Contribution ID: 13

Type: **not specified**

Coupled-channel optical model potential for even-even and odd-A actinides using extended couplings

Tuesday, March 19, 2024 9:30 AM (1 hour)

Presenter: MARTYANOV, Dmitry (JIPNR-Sosny, NAS of Belarus)

Session Classification: Presentation of results (III)

Contribution ID: 14

Type: **not specified**

Realistic fission transmission coefficients in the statistical Hauser-Feshbach compound-nucleus reaction theory

Tuesday, March 19, 2024 10:30 AM (1 hour)

Presenter: KAWANO, Toshihiko (Los Alamos National Laboratory)

Session Classification: Presentation of results (III)

Contribution ID: 15

Type: **not specified**

Cross-section calculations of fast neutron induced reactions on $^{238-242}\text{Pu}$ targets

Tuesday, March 19, 2024 11:30 AM (1 hour)

Presenter: SIN, Mihaela

Session Classification: Presentation of results (III)

Contribution ID: **16**

Type: **not specified**

Nuclear data evaluation using CCONE code for Actinides

Tuesday, March 19, 2024 2:00 PM (1 hour)

Presenter: IWAMOTO, Osamu (JAEA)

Session Classification: Presentation of results (IV)

Contribution ID: 17

Type: **not specified**

Theoretical calculation for n+238U, 239Pu reactions

Tuesday, March 19, 2024 3:00 PM (1 hour)

Presenter: HAN, Yinlu

Session Classification: Presentation of results (IV)

Contribution ID: **18**

Type: **not specified**

TALYS-2 and slight progress in actinide fitting

Tuesday, March 19, 2024 4:00 PM (1 hour)

Presenter: KONING, Arjan (IAEA)

Session Classification: Presentation of results (IV)

Contribution ID: **19**

Type: **not specified**

RIPL discrete levels: how data are prepared?

Wednesday, March 20, 2024 9:30 AM (30 minutes)

Presenter: VERPELLI, Marco (IAEA)

Session Classification: Presentation of results (V)

Contribution ID: 20

Type: **not specified**

Overview of gamma-ray strength function CRP results

Wednesday, March 20, 2024 10:00 AM (1 hour)

Presenter: DIMITRIOU, Paraskevi (Vivian)

Session Classification: Presentation of results (V)

Contribution ID: **21**

Type: **not specified**

RIPLpy: the official Python3 interface for RIPL-4

Wednesday, March 20, 2024 3:00 PM (1 hour)

Presenter: MUMPOWER, Matthew (Los Alamos National Laboratory)

Session Classification: Presentation of results (VI)