



# 15th Varenna Conference on Nuclear Reaction Mechanisms

## Monday, June 11, 2018

### Fission (3:00 PM - 5:00 PM)

-Conveners: Patrick Talou

time	[id] title	presenter
3:00 PM	[M2] Microscopic Description of Nuclear Fission: Progress and Perspectives	Dr NICOLAS, Schunck
3:30 PM	[M0] A basis for scission dynamics	Dr YOUNES, Walid
4:00 PM	[M6] Hauser-Feshbach Statistical Decay and Beta Decay Calculation for Primary Fission Fragments	Dr OKUMURA, Shin
4:20 PM	[M4] Dependence of the prompt fission gamma-ray spectrum on the entrance channel of compound nucleus: spontaneous vs neutron-induced fission	WU, Ching-Yen
4:40 PM	[M1] Correlations between the fission fragment yields and the prompt fission gamma-ray spectrum	JAFFKE, Patrick

### Fission (5:30 PM - 7:00 PM)

-Conveners: Andreyev Andreev

time	[id] title	presenter
5:30 PM	[M2] Systematic TDDFT data for nuclear fission analysis	Dr IWATA, Yoritaka
6:00 PM	[M0] Real-time description of fission	STETCU, Ionel
6:20 PM	[M6] First comparison between microscopic and macroscopic-microscopic potential energy surfaces for the description of fission	VERRIERE, Marc
6:40 PM	[M7] Effects of the temperature on nuclear deformation energy and the predictions of fission observables calculated within the Langevin approach	Mr USANG, Mark Dennis

## Tuesday, June 12, 2018

### Fission (9:00 AM - 11:00 AM)

-Conveners: Nicolas Schunck

time	[id] title	presenter
9:00 AM	[13] An Unexpected Energy Evolution of the Fission-Product Yields from Neutron-Induced Fission of $^{235}\text{U}$ , $^{238}\text{U}$ , and $^{239}\text{Pu}$	Dr TONCHEV, Anton
9:30 AM	[12] Correlated Prompt Fission Data in Transport Simulations	TALOU, Patrick
10:00 AM	[50] Gamma-ray cascade study in abundant fission fragments with the EXILL experiment and FIFRELIN simulation	RAPALA, Michal
10:20 AM	[31] Phenomenological study of fission yield for $\text{U}^{233}$ induced by neutrons below 20 MeV	Ms LIU, Lile
10:40 AM	[10] Fission properties of nuclei in the $^{180}\text{Hg}$ region	Prof. TSEKHANOVICH, Igor

### Fission (11:30 AM - 12:40 PM)

-Conveners: Yukinobu Watanabe

time	[id] title	presenter
11:30 AM	[22] Fission studies using multi-nucleon transfer reactions at the JAEA tandem	Prof. ANDREYEV, Andrei
12:00 PM	[39] Isoscaling study of binary fission yields	Ms CHEN, Yongjing
12:20 PM	[78] Aggregate Decay Behavior of Fission Products in Nuclear Reactors -Decay Heat, Reactor Antineutrino and the Pandemonium Problem-	Dr YOSHIDA, Tadashi