

**Session Program**

**Jun 11 - 15, 2018**

**15th Varenna Conference on Nuclear Reaction  
Mechanisms**

***Fission***

Villa Monastero  
Varenna (Italy)

# Mon, June 11

3:00 PM

## Fission

**Session** | **Location:** Villa Monastero, Varenna (Italy) | **Convener:** Patrick Talou

15:00 - 15:30

### Microscopic Description of Nuclear Fission: Progress and Perspectives

**Speaker**

Dr Schunck Nicolas

15:30 - 16:00

### A basis for scission dynamics

**Speaker**

Dr Walid Younes

16:00 - 16:20

### Hauser-Feshbach Statistical Decay and Beta Decay Calculation for Primary Fission Fragments

**Speaker**

Dr Shin Okumura

16:20 - 16:40

### Dependence of the prompt fission gamma-ray spectrum on the entrance channel of compound nucleus: spontaneous vs neutron-induced fission

**Speaker**

Ching-Yen Wu

16:40 - 17:00

### Correlations between the fission fragment yields and the prompt fission gamma-ray spectrum

**Speaker**

Patrick Jaffke

5:00 PM

5:30 PM

## Fission

**Session** | **Location:** Villa Monastero, Varenna (Italy) | **Convener:** Andreyev Andreev

17:30 - 18:00

### Systematic TDDFT data for nuclear fission analysis

**Speaker**

Dr Yoritaka Iwata

18:00 - 18:20

### Real-time description of fission

**Speaker**

Ionel Stetcu

18:20 - 18:40

### First comparison between microscopic and macroscopic-microscopic potential energy surfaces for the description of fission

**Speaker**

Marc Verriere

18:40 - 19:00

**Effects of the temperature on nuclear deformation energy and the predictions of fission observables calculated within the Langevin approach**

**Speaker**

Mr Mark Dennis Usang

7:00 PM

## Tue, June 12

9:00 AM

### Fission

**Session** | **Location:** Villa Monastero, Varenna (Italy) | **Convener:** Nicolas Schunck

09:00 - 09:30

#### An Unexpected Energy Evolution of the Fission-Product Yields from Neutron-Induced Fission of $^{235}\text{U}$ , $^{238}\text{U}$ , and $^{239}\text{Pu}$

**Speaker**

Dr Anton Tonchev

09:30 - 10:00

#### Correlated Prompt Fission Data in Transport Simulations

**Speaker**

Patrick Talou

10:00 - 10:20

#### Gamma-ray cascade study in abundant fission fragments with the EXILL experiment and FIFRELIN simulation

**Speaker**

Michal Rapala

10:20 - 10:40

#### Phenomenological study of fission yield for $\text{U}233$ induced by neutrons below 20 MeV

**Speaker**

Ms Lile Liu

10:40 - 11:00

#### Fission properties of nuclei in the $^{180}\text{Hg}$ region

**Speaker**

Prof. Igor Tsekhanovich

11:00 AM

11:30 AM

### Fission

**Session** | **Location:** Villa Monastero, Varenna (Italy) | **Convener:** Yukinobu Watanabe

11:30 - 12:00

#### Fission studies using multi-nucleon transfer reactions at the JAEA tandem

**Speaker**

Prof. Andrei Andreyev

12:00 - 12:20

#### Isoscaling study of binary fission yields

**Speaker**

Ms Yongjing CHEN

12:20 - 12:40

#### Aggregate Decay Behavior of Fission Products in Nuclear Reactors -Decay Heat, Reactor Antineutrino and the Pandemonium Problem-

**Speaker**

Dr Tadashi Yoshida

12:40 PM