

Workshop on: Experimental Status and Prospects

October 14 - 18, 2013

Talks are 40 minutes long and followed by 15 minutes of discussion

Monday, October 14

All Monday talks are in C520

- 10:00 Welcome by Andrei Andreyev
- 10:05 **Mapping low-energy fission by beta-delayed fission: from neutron-deficient to neutron-rich nuclei**
Andrei Andreyev, York/JAEA
- 11:00 **Fission research at JAEA and opportunity with J-PARC for fission and nuclear data**
Katsuhisa Nishio, JAEA
- 2:00 **Fission shape evolution by Brownian motion**
Jorgen Randrup, LBNL
- 3:00 **Calculated fission yield (a)symmetries from (about)Z=74 to SHE**
Peter Moller, LANL

Tuesday, October 15

All Tuesday talks are in C520

- 10:00 **Isotopic Fission-Fragment Distributions as a Deep Probe to Fusion-Fission Dynamics**
Manuel Caamaño Fresco, Santiago de Compostella
- 11:00 **TBA (New experiments on Coulex-induced fission)**
Julien Taieb, CEA
- 2:00 **Fluctuation-Dissipation Dynamics of Fission and Heavy-Ion Fusion Reactions**
Takahiro Wada, Kansai

Wednesday, October 16

All morning talks are in C520 but afternoon talk is in C421

- 10:00 **Challenges in experiments and modelling of nuclear fission: prompt neutron and γ -ray emission**
Franz-Josef Hamsch, Geel
- 11:00 **A new capability for fission fragment spectroscopy at LANSCE**
Fredrik Tovesson/Arnold Sierk, LANL
- 2:30 **Striking observations in low-energy fission and what they tell us**
Karl-Heinz Schmidt, Erzhausen
- 7:00 Workshop dinner at **Chloé Bistrot, 3515 NE 45th St, (206) 257-0286**

Thursday, October 17

All talks in C520

- 10:00 **Superheavy element research at GSI**
Michael Block, GSI
- 11:00 **Stability and properties of heavy and superheavy nuclei in mean-field model with Skyrme energy density functional**
Andrzej Staszczak, Lublin
- 2:00 **Fission properties of superheavy elements**
Paul-Gerhard Reinhard, Erlangen

Friday, October 18

All talks in C520

- 10:00 **Role of the nucleus-nucleus potential in explaining sub-barrier fusion data**
Serban Misicu, Bucharest

11:00 **Three problems for nuclear theory**

Walter Loveland, Oregon

INT Program 13-3: Quantitative Large Amplitude Shape Dynamics: fission and heavy ion fusion

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For agenda, please see: <http://www.int.washington.edu/PROGRAMS/13-3/week4.html>

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