



FUSTIPEN Topical Meeting

«Fission at FUSTIPEN II: recent observables and their modeling»

May 3-4, 2016, GANIL, Caen, France

Second circular

In the last 20 years, important progress has been brought about in the experimental observables revealing the fission properties. In particular, new experimental techniques, in part based on the inverse kinematics, allow measuring over a large number of fissioning nuclei, the proton and neutron fragment distributions at scission, as the total kinetic energy properties of the fragments.

The goal of the FUSTIPEN topical meeting on “Fission at FUSTIPEN II: recent observables and their modeling” is to bring together a diversity of researchers, both theorists and experimentalists, to discuss some of the recent advances on the fission process and in particular the fission fragment description, the fission barriers and the fission probability. The workshop will include talks on recent theoretical developments in the field and on related experimental studies.

Besides a series of relatively-short daily talks centered on a theme, there will be adequate Q&A time after talks and during a daily "wrap-up" discussion session.

The meeting is scheduled to start at 9:15 on Tuesday, May 3 and to finish around 15:00 on Wednesday, May 4. The session will take place in room 105 of the GANIL main building.

Upon arrival at GANIL, you are requested first to contact the guardian at the entrance of GANIL and then proceed to the GANIL guesthouse for the registration. Personal laptops will be able to connect to the wireless network.

The information to reach GANIL can be obtained at the address:

<http://fustipen.ganil.fr/conferences/practical-information-to-reach-ganil/view>

If you have any question concerning your arrival and stay in Caen, or your participation in the meeting, please do not hesitate to contact us at fustipen@ganil.fr.

George Bertsch (University of Washington)
Fanny Farget (GANIL)

Program of the Topical Meeting
« Fission at FUSTIPEN II: recent observables and their modeling»

Tuesday, May 3, 2016

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| 9:15 | Registration |
| 9:30 | Welcome
<i>Chairwoman: Fanny Farget, GANIL/IN2P3</i> |
| 9:35 – 10:20 | George Bertsch (University of Washington)
Fluctuations: unexplained experiments and possible theories |
| 10:35 – 11:00 | Coffee break |
| 11:00 – 11:45 | Beatriz Jurado (CENBG Bordeaux)
Insensitivity of the fission threshold to angular momentum |
| 12:00 – 12:45 | Andreina Chietera (IPHC Strasbourg)
Angular correlations between fragments and neutrons
in the spontaneous fission of ^{252}Cf |
| 13:00 – 14:00 | Lunch |
| 14:00 – 14:45 | <i>Chairman: Denis Lacroix, IPN Orsay</i>
Yusuke Tanimura (IPN Orsay)
Stochastic mean field approach to fission observables |
| 15:00 – 15:45 | Diego Ramos (USC Santiago de Compostela)
Transfer- and fusion-induced fission of ^{238}U and ^{12}C :
Experimental observables |
| 16:00 – 16:30 | Coffee break |
| 16:30 – 17:30 | General discussion |
| 20:00 | Conference dinner |

Wednesday, May 4, 2016

- Chairwoman:* Beatriz Jurado, CENBG
- 9:30 – 10:15 Peter Moller (Los Alamos National Laboratory)
Fission yields versus both Z and N (full 2D) in the Brownian Shape
Motion method for U and Pu
- 10:30 – 11:00 Coffee break
- 11:15 – 12:00 Fanny Farget (GANIL)
Sharing of nucleons at scission: a possible evidence for isospin
dependence in the level density
- 12:15– 12:45 Manuel Caamano (USC Santiago de Compostela)
Energetics and deformation at scission
- 13:00 – 14:00 Lunch
- 14:00 – 15:00 General discussion
- 15:00 End of the Meeting