



FUSTIPEN Topical Meeting

« Structure of the neutron star crust: experimental and observational signatures »

May 26-27, 2014, GANIL, Caen, France

Second circular

The purpose of this Topical Meeting is to discuss recent developments and accomplishments in the field of neutron star crust physics and the associated experimental and observational signatures. A special focus will be placed on highlighting some of the remaining open questions and the critical role that the astrophysics and the nuclear-physics communities could play in tackling these challenges. Our goal is to develop common strategies to move the field forward in a manner that continues to foster dialogue and promote collaborations between the two communities. We aim to address these issues in an informal environment that promotes stimulating discussions. Those participants who would like to contribute to the discussion are invited to contact us at fustipen@ganil.fr.

The meeting is scheduled to start at 10:00 on Monday, May 26 and to finish around 17:30 on Tuesday, May 27. The sessions will take place in room 105 of the GANIL main building. Each presentation is scheduled for one hour – with 40-to-45 minutes devoted to the presentation and at least 15 minutes reserved for questions and discussion.

Upon arrival at GANIL, you are requested first to contact the guardian at the entrance of GANIL and then proceed to the GANIL main building, room 105, for the registration. Personal laptops will be able to connect to the wireless network.

All the information on how to reach GANIL can be found at the following address:
<http://fustipen.ganil.fr/conferences/2014/practical-information-to-reach-ganil>

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.

Program of the Topical Meeting

« Structure of the neutron star crust: experimental and observational signatures »

Monday, May 26, 2014

- | | |
|---------------|---|
| 9:30 | Registration |
| 9:45 | Welcome |
| 10:00 – 11:00 | <i>Chairman: Marek Ploszajczak (GANIL)</i>
Jorge Piekarewicz (FSU)
The neutron-star crust: Accomplishments and open questions |
| 11:00 – 11:30 | Coffee break |
| 11:30 – 12:30 | Daniela Huppenkothen (Univ.Amsterdam)
Magnetar bursts, QPOs, and the dynamic crust |
| 12:30 – 14:00 | Lunch |
| 14:00 – 15:00 | <i>Chairman: Vladimir Zelevinsky (NSCL)</i>
Danai Antonopoulou (Univ.Amsterdam)
Pulsar glitches |
| 15:00 – 16:00 | Nicolas Chamel (ULB)
Large pulsar glitches and crustal entrainment |
| 16:00 – 16:30 | Coffee break |
| 16:30 | Visit of GANIL |
| 20:00 | Conference dinner |

Tuesday, May 27, 2014

- 9:00 – 10:00 *Chairman: Nguyen Van Giai (IPNO)*
Kostas Glampedakis (Univ.Murcia)
Neutron stars and gravitational waves
- 10:00 – 11:00 Behyan Bastin (GANIL)
Nuclear measurements for astrophysics
- 11:00 – 11:30 Coffee break
- 11:30 – 12:30 Xavier Roca-Maza (Univ.Milano)
Structure and composition of the outer crust
- 12:30 – 14:00 Lunch
- Chairman: Francois de Oliveira (GANIL)*
- 14:00 – 15:00 Michael Urban (IPNO)
Collective excitations of the inner neutron-star crust
- 15:00 – 16:00 Jerome Margueron (IPNL)
Pairing correlations in the neutron-star crust
- 16:00 – 16:30 Coffee break
- 16:30 – 17:30 Francesca Gulminelli (UCBN)
The neutron-star crust: A way forward
- 17:30 End of the Meeting

To register for the meeting, please fill in the registration form, which can be found at the following address:

http://fustipen.ganil.fr/conferences/2014/structure-of-the-neutron-star-crust-experimental-and-observational-signatures-1/registration_form

We are asking even those holding a GANIL badge to register so that an accurate count can be obtained for the coffee breaks.

We hope to see you soon at GANIL at the occasion of this topical meeting.

Francesca Gulminelli (Laboratoire de Physique Corpusculaire-Caen)
Jorge Piekarewicz (Florida State University)
E-mail: fustipen@ganil.fr