The European Commission’s science and knowledge service
Joint Research Centre
Agenda

**Theory – 4**

Scientific Workshop on
“Nuclear Fission Dynamics and the Emission of Prompt Neutrons and Gamma Rays”

Hotel International
Varna, Bulgaria
20-22 June 2017

JRC-Geel-G.2

In collaboration with:

Horia-Hulubei National Institute for R&D in Physics and Nuclear Engineering, Bucharest (RO) and

Institute for Nuclear Research and Nuclear Energy, Sofia (BG)

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**Organisation**

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Theory – 4
Scientific Workshop on “Nuclear Fission Dynamics and the Emission of Prompt Neutrons and Gamma Rays”

Scope of the workshop
The workshop aims at providing a comprehensive overview of the dynamical aspects of nuclear fission and their consequences on the fission fragment properties. Contributions should highlight the advancement of nuclear fission theory and in particular of the emission of prompt neutrons and gamma rays.

The workshop represents the fourth workshop of a series initiated in 2010 (Sinaia, Romania) and continued in 2012 (Biarritz, France) and 2014 (Opatija, Croatia).

Theory-4 is co-organized by JRC-Geel-G.2 (Belgium), NIPNE (Bucharest, Romania) and INRNE (Sofia, Bulgaria). The workshop is supported by the JRC-Geel-G.2.

In order to enhance the workshop’s potential for high-quality networking, experts are invited to attend and participation of postdoctoral fellows and PhD students, who wish to present their work, is encouraged.

Themes of the workshop
- fission dynamics
- fission fragment properties
- fission neutrons and gamma
- data needs

Presentations
Oral presentations are 45 minutes for invited contributions and 25 minutes for regular contributions, including discussion. The program advisory committee will decide and inform contributors on the acceptance of oral presentations.

Abstracts and full contributions
Abstracts are due by 3 April 2017 and full papers are due on 22 June 2017 at the start of the workshop. It is intended to publish the proceedings in Physics Procedia (Elsevier).

Instructions for the format of the abstract and the full paper can be found on the workshop website. Both should be submitted in electronic format following the guidelines given.

Acceptance
Participants will be informed of acceptance of their presentation by 21 April 2017.

Registration
Registration for Theory-4 will be opened on 15 May 2017. Further details will be given on the website.

The last day for registration is 31 May 2017.

There is no registration fee. Participation is limited to 50 participants.

Accommodation and travel
JRC-Geel-G.2 will reserve a number of rooms in a hotel. Details will be given on the website.

Full support is foreseen for about 40 participants from Member States, Candidate and Potential Candidate Countries, depending on the requests.

Important dates
- 3 April 2017: Deadline for abstracts
- 21 April 2017: Notification for authors
- 31 May 2017: Deadline for registration
- 20-22 June 2017: Workshop

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