

WINS – 2018

19-21 September 2018, Predeal, Romania

19.09.2018

09:00 – 09:10 **Welcome talk**

Morning session chairperson: Philippe Dessagne

09:10 – 09:45 **Arjan Plompen** (EC-JRC Geel, Belgium)

Inelastic and elastic scattering cross section measurements, a historical overview

09:45 – 10:20 **Maëlle Kerveno** (IPHC, Strasbourg, France)

Status of (n, xn γ) reaction cross section measurements with the GRAPhEME set-up at GELINA

10:20 – 10:50 Coffee break

10:50 – 11:25 **Jeffrey Vanhoy** (US Naval Academy, USA)

Recent and Future Neutron Scattering Measurements at the University of Kentucky Accelerator Laboratory

11:25 – 12:00 **Alexandru Negret** (IFIN-HH, Romania)

Review of the (n, n' γ) cross section measurements performed at GAINS

12:00 – 14:30 Lunch

Afternoon session chairperson: Arnd Junghans

14:30 – 15:05 **Adina Olacel** (IFIN-HH, Romania)

High precision neutron inelastic cross section measurements on ^{54}Fe

15:05 – 15:35 Coffee break

15:35 – 16:10 **Marian Boromiza** (IFIN-HH, Romania)

Nucleon inelastic scattering cross sections on ^{16}O and ^{28}Si

20.09.2018

Morning session chairperson: Arjan Plompen

09:00 – 09:35 **Yaron Danon** (RPI, USA)

Overview of quasi-differential neutron scattering experiments at RPI

09:35 – 10:10 **Amanda Youmans** (RPI, USA)

New keV Neutron Scattering Array for Nuclear Data

10:10 – 10:40 Coffee break

10:40 – 11:15 **Kumar Mohindroo** (RPI, USA) presented by **Yaron Danon**

Angular distribution measurements of neutron emissions from ^{239}Pu and ^{235}U induced by 1-20 MeV neutrons

11:15 – 11:50 **Jaime Gomez** (LANL, USA)

Observations of Pre-equilibrium Neutron Emission Preceding the Neutron-Induced Fission of ^{235}U and ^{239}Pu

11:50 – 14:20 Lunch

Afternoon session chairperson: Alexandru Negret

14:20 – 14:55 **Markus Nyman** (EC-JRC Geel, Belgium)

Cross sections of inelastic neutron scattering by ^{19}F

14:55 – 15:25 Coffee break

15:25 – 16:00 **Cristina Petrone** (IFIN-HH, Romania)

Total reaction cross sections at IFIN-HH Tandem and the use of HPGe detectors at nTOF

19:00 – 22:00 Workshop diner

21.09.2018

Morning session chairperson: Maëlle Kerveno

09:00 – 09:35 **Ron Nelson** (LANL, USA) presented by **Matthew Devlin**

Neutron-Induced Photon Production Reference Cross Section Values

09:35 – 10:10 **Arnd Junghans** (HZDR, Germany)

Neutron inelastic scattering experiments at nELBE

10:10 – 10:40 Coffee break

10:40 – 11:15 **Matthew Devlin** (LANL, SUA)

Neutron Scattering at LANSCE: Status, Progress and Plans

11:15 – 11:50 **Gustavo Nobre** (BNL, USA)

Impact of experimentally-constrained level densities on inelastic gammas