

ELI-NP Workshop on Photo-Fission

Thursday 11 May 2017 - Friday 12 May 2017

Programme

Table of contents

Thursday 11 May 2017	1
Welcome address of the general director	1
Instrumentation at ELI-NP I	1
Instrumentation at ELI-NP II	1
Reports from other laboratories	1
Visit of the ELI-NP site	1
Discussions	1
Friday 12 May 2017	2
Experimental physics cases at ELI-NP	2
Discussions	2
Theory and simulations related to ELI-NP	2
Summarizing and round table discussion	2

Thursday 11 May 2017

Welcome address of the general director - Magurele (09:20-09:30)

- Presenters: ZAMFIR, Nicolae

Instrumentation at ELI-NP I - Magurele (09:30-11:00)

- Conveners: Balabanski, Dimiter

time	[id] title	presenter
09:40	[23] Opening of the workshop	
09:45	[1] The Gamma Beam System at ELI-NP	SULIMAN, Gabriel
10:00	[2] Overview of Gamma Beam Monitoring Instruments at ELI-NP	MATEI, Catalin
10:20	[3] Progress in fission detector developments and tests at Atomki	CHOUDHURY, Deepika
10:40	[4] Development and test of a multi-cathode ionization chamber	PECK, Marius

Instrumentation at ELI-NP II - Magurele (11:20-12:20)

- Conveners: Choudhury, Deepika

time	[id] title	presenter
11:20	[5] A new silicon array for gamma-induced breakup and fission at ELI-NP	DIGET, Christian
11:40	[6] Fission fragment detectors based on the low-pressure MWPC technique for applications in photo-fission and photo-neutron experiments at ELI-NP	MARGARYAN, Amur
12:00	[7] ELIGANT - an instrument for gamma above neutron threshold experiments	KRZYSIEK, Mateusz

Reports from other laboratories - Magurele (14:00-15:20)

- Conveners: Constantin, Paul

time	[id] title	presenter
14:00	[8] Experimental fission research activity at JAEA	NISHIU, Katsuhisa
14:20	[9] ALTO, a photo-fission facility for nuclear structure studies	LEBOIS, Matthieu
14:40	[10] Fission research of the Uppsala group at JRC Geel	AL-ADILI, Ali
15:00	[11] Fission research of the Uppsala group at IGISOL and NFS	POMP, Stephan

Visit of the ELI-NP site - Magurele (15:40-17:00)

Discussions - Magurele (17:00-18:00)

Friday 12 May 2017

Experimental physics cases at ELI-NP - Magurele (09:00-10:00)

- Conveners: Oberstedt, Andreas

time	[id] title	presenter
09:00	[14] Studies around the de-excitation process in nuclear fission	OBERSTEDT, Stephan
09:20	[15] Formation of neutron-rich nuclides in photofission	RUBCHENYA, Valeri
09:40	[16] From S-DALINAC to ELI-NP: Results and ideas for photofission	ENDERS, Joachim

Discussions - Magurele (10:00-10:20)

Theory and simulations related to ELI-NP - Magurele (10:40-12:00)

- Conveners: Matei, Catalin

time	[id] title	presenter
10:40	[18] Possible validation of the Point-by-Point model of prompt emission by experimental data of electromagnetic induced fission	TUDORA, Anabella
11:00	[19] New developments for large-scale microscopic calculations of fission	SHELLEY, Matthew
11:20	[20] Simulation of photofission targets at ELI-NP	CONSTANTIN, Paul
11:40	[21] Production and extraction of neutron-rich nuclei from photofission of ^{238}U at the planned IGISOL facility of ELI-NP	MEI, Bo

Summarizing and round table discussion - Magurele (12:00-13:00)

- Presenters: OBERSTEDT, Andreas