

# Romanian - Japanese Bilateral Workshop on QED and Plasma Interactions in Petawatt Laser Experiments

## Program

Day 1 Monday October 9<sup>th</sup>

Session 1 (Chair: Shuta Tanaka)

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09:25 – 09:30 (15:25 – 15:30 JST) **Shuta Tanaka**, Aoyama Gakuin University

*“Opening”*

09:30 – 10:10 (15:30 – 16:10 JST) **Ioan Dancus**, IFIN-HH\*/ELI-NP\*\*

*“The 10PW peak power laser at ELI-NP”,*

10:10 – 10:50 (16:10 – 16:50 JST) **Dimitar Balabanski**, IFIN-HH/ELI-NP

*“Waiting for gamma-ray beams: Experimental setups at ELI-NP”,*

10:50 – 11:30 (16:50 – 17:30 JST) **Yuki Abe**, Osaka University

*“A multichannel scintillation detector for mass-resolved GeV-ion spectroscopy in laser-driven ion acceleration experiments”*

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Lunch

Session 2 (Chair: Yuki Abe)

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13:30 – 14:10 (19:30 – 20:10 JST) **Domenico Doria**, IFIN-HH/ELI-NP

*“Current Status of 1PW/10PW experiments at ELI-NP”*

14:10 – 14:50 (20:10 – 20:50 JST) **Shogo Isayama**, Kyushu University

*“Wakefield acceleration of protons by using near critical density target”*

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Coffee break 20min.

Session 3 (Chair: Keita Seto)

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15:10 – 15:50 (21:10 – 21:50 JST) **Yasuhiro Kuramitsu**, Osaka University

*“Extremely efficient nuclear reaction with an intense laser using graphene”*

15:50 – 16:30 (21:50 – 22:30 JST) **Shuta J. Tanaka**, Aoyama Gakuin University

*“Induced Compton scattering experiment in ELI-NP 1 PW laser”*

\*IFIN-HH = National Institute of Physics and Nuclear Engineering Horia Hulubei

\*\* ELI-NP = Extreme Light Infrastructure – Nuclear Physics