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Panel 6

Gammatron & LUIS Beamlines: LWFA and Secondary Photon Sources

Chair: Uddhab Chaulagain

8:30 – 8:35

Introduction to the Panel

Uddhab Chaulagain
ELI Beamlines, CZ

8:35 – 9:00

Hard X-ray sources in ELI Beamlines and Two Color Betatron radiation

Marcel Lamač
ELI Beamlines, CZ

9:00 - 9:25

LUIS update

Konstantin Kruchinin/ Dong du Mai
ELI Beamlines, CZ

9:25 -9:50

High-quality electron Beams and Free-electron Lasing Based on laser Wakefield Accelerator

Feng Ke
Shanghai XFEL, China

9:50 -10:15

Betatron radiation from multijet gas targets

Vidmantas Tomkus
State Research Institute, Lithuania

10:15 -10:30 / Coffee Break

10:30 -10:55

Laser Wakefield Acceleration and Betatron Radiation Driven by PW Laser Pulses

Hyung Taek Kim
GIST, Korea

10:55 -11:20

Wakefield Acceleration in a Laser-Plasma Waveguide

Cedric Thaury
LOA, CNRS, France

11:20 -11:45

Two-color laser-plasma accelerator & development of high-rep.rate secondary sources at ELI-ALPS

Nasr A. M. Hafz
ELI ALPS, Hungary

11:45 -12:10

Study of the self-modulated laser wakefield regime in the TW range and its use for inducing photonuclear reactions to produce ⁹⁹Mo

Nelson Dias Vieira
Brazil

12:10 -12:35

Development of LWFA betatron x-ray sources on Gemini and plans for the EPAC facility

Dan Symes
STFC, UK