

LOEWE Nuclear Photonics Workshop

on September 24th/25th 2020

via Zoom:

<https://tu-darmstadt.zoom.us/j/99616440821?pwd=SUxiS0lxUHdlU1dYL3FxcVRUSTJmdz09>

Meeting ID: 996 1644 0821

Passcode: 921175

Thursday (September 24th)

12:30	1:30	PI Meeting LOEWE	
Start	Duration	Speaker	Title
KEYNOTES			
14:00	00:40	Ioan DANCUS	High power laser systems at ELI-NP - status and perspectives
14:40	00:40	Volker DANGENDORF	Pulsed Fast-Neutron Transmission Spectroscopy at PTB
15:20	00:40	Christian RÖDEL	Laser-driven proton acceleration from cryogenic hydrogen jets
Session 1			
16:00	00:30	Yannik ZOBUS	Laser-pulse shape and contrast control at the PHELIX laser system
16:30	00:30	Marc ZIMMER	Laser Driven Neutron Sources for Non-Destructive Material Analysis

Friday (September 25th)

Start	Duration	Speaker	Title
Session 2			
10:00	00:30	Benedikt SCHMITZ	Datadriven Modeling of Laser Driven Ion Accelerators
10:30	00:30	Stefan SCHEUREN	PHITS for modeling of Laser-Neutron experiments
Session 3			
11:00	00:30	Daniel HOFMANN	Liquid Sheet Target for High Repetition Rate Laser-Ion Acceleration
11:30	00:30	Tina EBERT	Solid state targets for enhanced laser particle sources
12:00	1:00	Lunch Break	
Session 4			
13:00	00:30	Ilja HOMM	Detecting high-energy gamma rays with a pair spectrometer
13:30	00:30	Maximilian MEIER	Laser Compton Backscattering at the S-DALINAC: X-ray production and beam diagnostics (to be confirmed)
14:00	00:30	Marius PECK	Fission of ^{238}U induced by monochromatic gamma rays from Laser Compton Backscattering
14:30		Closing/Discussion	