



ELI Day in Świerk

Program

09:00 – 09:30 – Opening and Introduction – NCBJ

09:30 – 11:00 – ELI ERIC – **Zsolt Fülöp**

1. HHG-based sources and applications – **Zsolt Diveki** (online)
2. Particle Acceleration Research – **Lorenzo Giuffrida** (online)
3. Plasma-based FEL (EuPRAXIA) – **Alexander Molodtsov** (online)

11:00 – 12:00 – ELI NP – **Domenico Doria** (online)

12:00 – 12:15 – Discussion

12:15 – 13:15 – Lunch

13:15 – 15:00 – Session: Collaboration of Polish Scientists with ELI (ongoing and future)

1. Electron acceleration development at NCBJ: warm RF technologies – **Sławomir Wronka** – 15 min
2. Electron acceleration development at NCBJ: superconducting RF technologies – **Paweł Krawczyk** – 15 min
 - SRF accelerator and electron guns (SRF & warm)
 - beam diagnostics and beam shaping
 - beam simulations and accelerator applications: FEL and UED (including activities linked to PolFEL)
3. Low-level electron beam control and synchronization; gamma dosimetry (NCBJ) – **Jarosław Szewiński** (online) – 10 min
4. HHG-based source and its application for TR-ARPES at NCBJ
 - HHG source – **Henryk Fiedorowicz** – 7 min
 - TR-ARPES station – **Robert Nietubyć** – 7 min
5. THz FEL beamline and instrumentation at NCBJ/MUT – **Norbert Pałka** – 10 min
6. Warsaw Active-Target TPC for studying astrophysical reactions with gamma beams – **Wojciech Dominik** – 15 min
7. Laser-driven Hydrogen–Boron and Inertial Fusion – **Katarzyna Batani** (online) – 15 min
8. Low-density microstructured targets (micron droplet arrays) for high-intensity laser–matter interactions – **Henryk Fiedorowicz** – 10 min

15:00 – 15:30 – Discussion and Closing of the Meeting