

Session Program

19-23 Aug 2024



FEL2024 - 41st International Free Electron Laser Conference

FEL theory

POLIN

Mordechaja Anielewicz 6 00-157 Warszawa Poland

Monday 19 August

14:30

FEL theory: Session-2

Session | **Location:** POLIN, Mordechaja Anielewicz 6 00-157 Warszawa Poland | **Convener:** Avraham Gover

14:30–15:05

Impact of space charge in externally seeded FEL

Speaker

Eléonore Roussel

15:05–15:40

Three-dimensional theory of soliton-like superradiant free-electron lasers

Speaker

River Robles

15:40–16:00

Quantum effects in free electron - light interaction

Speaker

Bin Zhang

16:00–16:20

Predicting XFEL performance using neural networks with physics constraints

Speaker

Petr Anisimov

16:20