

Session Program

19-22 May 2025



Beamline Optics Design and Simulation Workshop

Live Demo

DESY, Building 1b, Room 4ab
Notkestraße 85, 22607 Hamburg

Tuesday 20 May

13:30

Live Demo: XOPPY, SHADOW4

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

13:30-14:15

Live demo of SHADOW4 simulation of a SXR beamline

Speakers

Manuel Sanchez del Rio, Luca Rebuffi

15:00

14:15-15:00

Live demo of SHADOW4 simulation of a HXR beamline

Speakers

Luca Rebuffi, Xianbo Shi

15:20

Live Demo: XOPPY, SHADOW4

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

15:20-16:10

Power transport and management in synchrotron beamlines & Live demo

Speakers

Manuel Sanchez del Rio, Philipp Brumund

16:10

Wednesday 21 May

10:50

Live Demo: SRW

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

10:50-12:00

Live demo of OASYS-SRW simulation of beamlines

Speakers

Luca Rebuffi, Manuel Sanchez del Rio

12:00

14:50

Live Demo: CRL

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

14:50-15:35

CRL ray tracing, error simulations, wavefront propagation (SRW, HYBRID)

Speaker

Rafael Celestre

15:35

15:35

Live Demo: Heatload, power transport

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

15:35-16:20

Introduction to XOPPY & Live demo

Speaker

Manuel Sanchez del Rio

16:20-16:50

Thermal load calculation through beamline

Speaker

Luca Rebuffi

16:50

Thursday 22 May

10:50

Live Demo: Partial coherence & OASYS scripting

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

10:50-11:20

Multi electron simulations with SRW - partial coherence

Speakers

Manuel Sanchez del Rio, Luca Rebuffi

12:00

11:20-12:00

OASYS scripting & extensions

Speaker

Luca Rebuffi

13:40

Live Demo: Gratings

Session | **Location:** DESY, Building 1b, Room 4ab, Notkestraße 85, 22607 Hamburg

13:40-14:10

Grating simulations

Speaker

Manuel Sanchez del Rio

14:10