

Temporally Coherent Synchrotron Light Sources

Report of Contributions

Contribution ID: 4

Type: **not specified**

Workshop Dinner

Monday 26 January 2026 18:00 (3 hours)

Contribution ID: **8**

Type: **not specified**

Synergies between FELs and light sources

Monday 26 January 2026 09:15 (25 minutes)

Presenter: TANAKA, Hitoshi (SPring-8)

Session Classification: Keynote Invited Talks

Track Classification: Coherence properties of undulator radiation

Contribution ID: 9

Type: **not specified**

Opportunities for imaging at Longitudinal Coherent Sources

Monday 26 January 2026 09:40 (25 minutes)

Presenter: CHAPMAN, Henry (DESY)

Session Classification: Keynote Invited Talks

Track Classification: Experimental techniques and science cases

Contribution ID: **10**

Type: **not specified**

XFELO demonstrator at EuXFEL

Monday 26 January 2026 10:05 (25 minutes)

Presenter: RAUER, Patrick (DESY - MXL)

Session Classification: Keynote Invited Talks

Track Classification: Advanced coherent generation schemes

Contribution ID: 11

Type: **not specified**

Self-seeded setups at X-ray FELs

Monday 26 January 2026 10:50 (20 minutes)

Presenter: LIU, Shan (MPY (Beschleunigerphysik))

Session Classification: Advanced coherent generation schemes

Track Classification: Advanced coherent generation schemes

Recent advances toward 1keV fully coherent pulses at FERMI

Monday 26 January 2026 11:10 (20 minutes)

Presenter: PENCO, Giuseppe (FERMI)

Session Classification: Advanced coherent generation schemes

Track Classification: Advanced coherent generation schemes

Echo-enabled harmonic generation at DELTA

Monday 26 January 2026 11:30 (20 minutes)

Presenter: Prof. KHAN, Shaukat (TU Dortmund)

Session Classification: Advanced coherent generation schemes

Track Classification: Advanced coherent generation schemes

Steady-state microbunching results at MLS

Monday 26 January 2026 11:50 (20 minutes)

Presenter: KRUSCHINSKI, Arnold (Helmholtz-Zentrum Berlin)

Session Classification: Advanced coherent generation schemes

Track Classification: Advanced coherent generation schemes

Contribution ID: 15

Type: **not specified**

Incoherent diffraction imaging

Monday 26 January 2026 13:30 (20 minutes)

Presenter: VON ZANTHIER, Joachim (FAU Erlangen)

Session Classification: Experimental techniques and science cases

Track Classification: Experimental techniques and science cases

Contribution ID: **16**

Type: **not specified**

Nuclear resonant scattering

Monday 26 January 2026 13:50 (20 minutes)

Presenter: EVERS, Jörg (Max Planck Institute for Nuclear Physics)

Session Classification: Experimental techniques and science cases

Track Classification: Experimental techniques and science cases

Contribution ID: 17

Type: **not specified**

Modelling, visualizing and measuring partially coherent radiation with OCELOT

Monday 26 January 2026 15:40 (20 minutes)

Authors: TREBUSHININ, Andrei (Eur.XFEL (European XFEL)); SERKEZ, Svitozar (Eur.XFEL (European XFEL))

Presenters: TREBUSHININ, Andrei (Eur.XFEL (European XFEL)); SERKEZ, Svitozar (Eur.XFEL (European XFEL))

Session Classification: Transverse and longitudinal coherence properties of undulator radiation

Track Classification: Coherence properties of undulator radiation

Brightness scaling in low-emittance storage rings

Monday 26 January 2026 16:00 (20 minutes)

Presenter: AGAPOV, Ilya (MPY (Beschleunigerphysik))

Session Classification: Transverse and longitudinal coherence properties of undulator radiation

Track Classification: Coherence properties of undulator radiation

High Intensity Challenges in Fourth-Generation Storage Rings

Tuesday 27 January 2026 09:00 (25 minutes)

Presenter: FERNANDES TAVARES, Pedro (MAX-IV)

Session Classification: Intensity limitations and beam control

Track Classification: Intensity limitations and beam control

Overview of instabilities in light sources

Tuesday 27 January 2026 09:25 (20 minutes)

Presenter: WHITE, Simon (ESRF)

Session Classification: Intensity limitations and beam control

Track Classification: Intensity limitations and beam control

Contribution ID: 21

Type: **not specified**

Micro-Bunching Instability as a Source of Coherent THz Emission: Observations and Control

Tuesday 27 January 2026 09:45 (20 minutes)

Presenter: SCHREIBER, Patrick (KIT)

Session Classification: Intensity limitations and beam control

Track Classification: Intensity limitations and beam control

Contribution ID: 22

Type: **not specified**

Coherent Cherenkov radiation in storage rings

Tuesday 27 January 2026 10:05 (20 minutes)

Presenter: ANTIPOV, Sergey (MPY (Beschleunigerphysik))

Session Classification: Intensity limitations and beam control

Track Classification: Intensity limitations and beam control

Temporally Cohe ... / Report of Contributions

Review of pursued SSMB activities ...

Contribution ID: 23

Type: **not specified**

Review of pursued SSMB activities in the context of advanced coherent generation schemes

Tuesday 27 January 2026 10:25 (20 minutes)

Presenter: DENG, Xiujie

Session Classification: Intensity limitations and beam control

Track Classification: Intensity limitations and beam control

Contribution ID: 24

Type: **not specified**

TBC

Monday 26 January 2026 16:20 (20 minutes)

Session Classification: Transverse and longitudinal coherence properties of undulator radiation

Contribution ID: 25

Type: **not specified**

Nonlinear X-ray optics with longitudinally coherent sources

Monday 26 January 2026 14:10 (20 minutes)

Presenter: BOEMER, Christina (DESY)

Session Classification: Experimental techniques and science cases

Contribution ID: **26**

Type: **not specified**

Nuclear resonances and bright light sources

Monday 26 January 2026 14:30 (20 minutes)

Presenter: SHVYD'KO (TBC), Yuri

Session Classification: Experimental techniques and science cases

Contribution ID: 27

Type: **not specified**

TBC

Monday 26 January 2026 14:50 (20 minutes)

Presenter: LEHMKUEHLER, Felix (DESY)

Session Classification: Experimental techniques and science cases