

“Theory meets XFELs 2025”

(preliminary program ver. 17.09.2025)

26 November 2025: European XFEL, Schenefeld, Germany

27-28 November 2025: CFEL, DESY, Hamburg, Germany

WEDNESDAY, 26 November 2025

Auditorium, Lighthouse visitor center, European XFEL, Schenefeld

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| 09:00 – 09:45 | Registration (Lighthouse Foyer, in front of the Auditorium) |
| 09:45 – 10:00 | Welcome |
| <i>Session 1:</i> | <i>Ultrafast electron dynamics – Towards attosecond solid state physics (10:00 – 13:00)</i> |
| 10:00 – 10:30 | Martin Eckstein (University of Hamburg) |
| 10:30 – 11:00 | Maurits Haverkort (Heidelberg University) |
| 11:00 – 11:30 | Coffee Break |
| 11:30 – 12:00 | Tim Wehling (University of Hamburg) |
| 12:00 – 12:30 | Ichiro Inoue (SACLA) |
| 12:30 – 13:00 | Discussion |
| 13:00 – 14:00 | Lunch Break |
| 14:00 – 15:00 | Guided Tour through the European XFEL Experimental Hall |

*Session 2: Ultrafast structural dynamics – Ultrafast phase transitions
and lattice dynamics (15:00 – 18:00)*

15:00 – 15:30	Claudia Draxl (Humboldt University of Berlin)
15:30 – 16:00	Mariana Rossi (MPI for the Structure and Dynamics of Matter)
16:00 – 16:30	Coffee Break
16:30 – 17:00	Martin Garcia (University of Kassel)
17:00 – 17:30	Kai Rossnagel (Kiel University)
17:30 – 18:00	Discussion
18:00 – 21:00	Reception @European XFEL.

THURSDAY, 27 November 2025

CFEL Seminar rooms I-III, CFEL (Building 99), DESY, Hamburg

*Session 3: Ultrafast spin dynamics – Demagnetization, transport and
topological effects (09:00 – 12:00)*

09:00 – 09:30	Konrad Karcia (Adam Mickiewicz University)
09:30 – 10:00	Olle Eriksson (Uppsala University)
10:00 – 10:30	Coffee Break
10:30 – 11:00	Mikhail Katsnelson (Radboud University)
11:00 – 11:30	Uwe Bovensiepen (University of Duisburg-Essen)
11:30 – 12:00	Discussion
12:00 – 14:00	Lunch Break

Session 4: Non-linear phenomena – Non-linear spectroscopy and non-linear X-ray matter interaction (14:00 – 17:00)

14:00 – 14:30	Olga Smirnova (Max Born Institute)
14:30 – 15:00	Joshua Kas (University of Washington)
15:00 – 15:30	Coffee Break
15:30 – 16:00	Pedro Velarde (Polytechnic University of Madrid)
16:00 – 16:30	Laurent Mercadier (European XFEL)
16:30 – 17:00	Discussion
17:00 – 18:00	Guided Tour through DESY

Friday, 28 November 2025

CFEL Seminar rooms I-III, CFEL (Building 99), DESY, Hamburg

Session 5: Extreme states of matter – From planetary science to inertial fusion energy research (09:00 – 12:00)

09:00 – 09:30	Tobias Dornheim (Helmholz-Zentrum Dresden-Rossendorf)
09:30 – 10:00	Ronald Redmer (University of Rostock)
10:00 – 10:30	Coffee Break
10:30 – 11:00	Dirk Gericke (University of Warwick)
11:00 – 11:30	Dominik Kraus (University of Rostock)
11:30 – 11:50	Discussion
11:50 – 12:00	Close-out