X-ray Spectroscopy for Ultrafast Magnetism

1st BerLUXS workshop – 23rd / 24th of March 2026

Physics Department, Freie Universität Berlin, Arnimallee 14, 14195 Berlin

Monday, 23.3	***Lecture hall A - 1.3.14***
11:00	***Arrival***
11:20	***Welcome***
11:35	**Karsten Holldack** – *FemtoSlicing High Resolution (15+5)*
11:55	**Tim Amrhein** – *Spin Flash (15+5)*
12:15	***Lunch and posters*** - *Cafeteria*
13:40	**Emmanuelle Jal** – *Why is measuring the full helicity-dependent and time-resolved X-ray absorption spectra important for the understanding of ultrafast magnetization dynamics? (30+10)*
14:20	**Andrea Eschenlohr** – *Analyzing the interplay of electronic correlations and spin dynamics with femtosecond x-ray magnetic circular dichroism (30+10)*
15:00	***Coffee and posters*** - *Cafeteria*
16:00	**Urs Staub** – *Connection between Chiral Phonons and Magnetism (30+10)*
16:40	**Loïc Le Guyader** – *Ultrafast magnetism at the Spectroscopy and Coherent Scattering Instrument of the European XFEL (30+10)*
17:20	**Ilie Radu** – *Enabling High-field THz Science at European XFEL (25+5)*
18:00	***Leave for Dinner*** - *Cao Cao restaurant, Marburger Str 2, 10789 Berlin*
Tuesday, 24.3	***Lecture hall B - 0.1.01***
9:00	**Sangeeta Sharma** – *(30+10)*
9:40	**Nicolas Bergeard** – *Laser induced ultrafast spin dynamics in rare-earth / transition metal alloys by element- and time-resolved X-ray Magnetic Circular Dichroism (30+10)*
10:20	**Corvin Krohn** – *Interfacial magnon generation drives ultrafast spin dynamics in Gd (15+5)*
10:40	***Coffee*** - *Cafeteria*
11:10	**Daniel Schick** – *Laser-driven soft-X-ray sources for studying ultrafast electron and spin dynamic (30+10)*
11:50	**Johanna Richter** – *Ultrafast spin-reorientation dynamics in DyCo5 probed by XUV MOKE spectroscopy (20+5)*
12:15	***Closing***

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Ultrafast Spin Dynamics