

Scheduled Experiments – Cycle 201701

No.	Title	Main Proposer / Principal Investigator	Instrument
2012	Serial Femtosecond Crystallography at MHz repetition rates	A. Barty / H. Chapman	SPB/SFX
2013	Internal Structure of the Melbournevirus by Flash X-ray Imaging	F. Maia	SPB/SFX
2016	Tracking ultrafast ligand exchange reactions using combined femtosecond X-ray solution scattering and emission spectroscopy	W. Gawelda / C. Bressler	FXE
2017	Collaborative early experiments in time-resolved SFX: i) mix and inject methods	A. Orville	SPB/SFX
2026	Investigating the charge transfer excited state dynamics in mixed-ligand Cu(I) complexes using time-resolved X-ray diffuse scattering	K. Kubicek	FXE
2038	Structural dynamics induced by and studied with XFEL pulses	I. Schlichting	SPB/SFX
2042	Droplet on Demand to Massively Reduce Sample Amount for Time Resolved Serial Femtosecond Crystallography with XFELs	A. Ros	SPB/SFX
2045	Investigation of electronic, structural and solvation dynamics following the metal-to-ligand charge transfer in halogen containing Cu diimine complexes	L. X. Chen	FXE
2046	XFEL pump - optical probe study of ultrafast energy dissipation in semiconductors	T. Sato	SPB/SFX
2050	Unraveling the electronic and structural origin of intramolecular cooperativity in polynuclear transition metal complexes by combined femtosecond X-ray emission spectroscopy and X-ray solution scattering	S. Canton	FXE
2052	Singlet excited state of Cu-based material for Organic Light Emitting Diodes probed with pump-probe X-ray scattering and emission	G. Smolentsev	FXE
2066	Time resolved fs crystallography of electron transfer reactions and the water splitting process in Photosynthesis	P. Fromme	SPB/SFX
2072	Structural dynamics in the binding of messenger molecules to heme proteins	D. Kinschel / M. Chergui	FXE
2073	Atomic-scale rearrangements after photon absorption in the hybrid perovskites	A. Lindenberg	FXE