

### LCLS Run 24 and MeV-UED Run 5 Schedules

Ver 2: 02/04/2025

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
LCLS SC	Day																						AD	AD	X-10175 Dak.	X-10175 Dak.	X-10175 Dak.	X-10175 Dak.	X-10993 Cry	X-10175		
LCLS NC	Day																							SC-HXU	SC-HXU	SC-HXU	SC-HXU	COMM	DAQ	1009017	COMM	DAQ
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MeV-UED	Day																															
LCLS SC	Night																															
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MeV-UED	Night																															

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MeV-UED	Night																															

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TMO
TXI
ChemRIXS
qRIXS
XPP
XCS
MFX
CXI
MEC
UED
Safety Pause
MD
Startup
Down

Prop No	Spokesperson	Title	Inst
1008369	Kelly Gaffney	<b>CHEMISTRY SCIENCE CAMPAIGN:</b> Identifying Design Principles for the Covalent control of Electronic Excited State Reactivity in Transition Metal Complexes	ChemRIXS
1008445	Amy Cordones	Promoting Unidirectional Intraligand Charge Transfer Using an Asymmetric Ligand and N K-Edge Spectroscopies	ChemRIXS
1008458	Jonathan Marangos	Probing Intra- and Inter-Molecular Charge Transfer in the Non-Fullerene Acceptor Y6 with Multi-Edge Time-Resolved X-ray Absorption Spectroscopy	ChemRIXS
1008522	Stephen Bradforth	Exploring the Effects of Sugar Conformation on Thymidine Excited States	ChemRIXS
L-10329	Young, Linda	<b>CHEMISTRY SCIENCE CAMPAIGN:</b> Radiolysis on the physico-chemical timescale in extreme environments	ChemRIXS
L-10379	Nibbering, Erik	Photoinduced Acid-Base Chemistry	ChemRIXS
L-10436	Khalil, Munira	Capturing Coupled Electronic and Atomic Motions During Excited State Intramolecular Proton Transfer on the Femtosecond Timescale	ChemRIXS
X-10169	Kunnus, Kristjan	Run 23 ChemRIXS Commissioning	ChemRIXS
1008191	Philip Bucksbaum	Electron motion during enhances strong-field ionization of water	CXI
1008236	Haiwang Yong	Ultrafast Structural Dynamics of Jahn-Teller Distortion in Molecular Ions	CXI
1008306	Xinxin Cheng	Decoding Photochemistry in Excited Aliphatic Tertiary Diamines	CXI
1008449	Paul Lourdu Xavier	Femtosecond Imaging of Giant-Hemeprotein with XFEL Pulses in Liquid-Sheet-Jet	CXI
1008548	Adi Natan	Ultrafast Intramolecular Rearrangement in EUV-Activated Phenyl Triflate	CXI
1008628	Stephan Kuschel	Triggering transient resonances with short hard X-ray pulses	CXI
1008931	Taran Driver	Attosecond Timing with Hard X-Ray Attosecond Pulses	CXI
1009017	Gregory Gate	Development of standardized procedures and kit to find time zero in hard X-ray hutches	CXI
1008362	Benjamin Ofori-Okai	Investigating the electrical conductivity of laser heated warm dense matter by combining X-ray scattering with and THz time-domain spectroscopy	MEC
1008454	Jorge Rocca	Dynamics of Nanowire Arrays Irradiated at Relativistic Intensity for Fusion Energy Applications	MEC
1008539	Bob Nagler	Temperature Measurements in Shocked Iron around the Melt \ with High-Resolution Inelastic X-ray Scattering	MEC
1008603	Nicholas J. Hartley	High-Repetition-Rate Inelastic X-ray Scattering from Laser-Irradiated Water	MEC
1008961	Nick Czaplá	Development of high-resolution Schlieren X-ray Imaging technique for High Energy Density Experiments	MEC
1008455	Alexandra Ros	Towards deciphering the redox mechanism of the human flavoenzyme NQO1 using mix-and-inject segmented droplet injection with minimized sample consumption	MFx
1008487	Allen M. Orville	Time resolved SFX and XES studies of heme containing enzymes using droplet on tape and drop-on-drop reaction initiation	MFx
1008523	Christopher Schofield	Concurrent time-resolved SFX and XES studies on the 2OG dependent enzymes AlkB and Phd2	MFx
1008636	Junko Yano	<b>BIOLOGICAL SCIENCE CAMPAIGN:</b> Structural and Chemical Dynamics of Photosystem II During Light-Induced Water-Oxidation and Energy Conversion	MFx
1008643	Alec Follmer	<b>BIOLOGICAL SCIENCE CAMPAIGN:</b> Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis - ongoing campaign	MFx
1008647	Jan Kern	<b>BIOLOGICAL SCIENCE CAMPAIGN:</b> Structural dynamics of metalloenzymes that catalyze reactions of small molecules relevant for the energy economy	MFx
1008879	Leland Gee	Full autonomous alignment of MFx (autoMFx)	MFx
1008901	Conny Hansson	ePixHR35kHz Detector - beamline evaluation of production ASIC and first 2x3 modules	MFx
1008953	Vandana Tiwari	Exploring the Integration of Cyclic Voltammetry with X-ray Emission and diffraction for Redox Catalysis: In-operando measurement and Regulation of Oxidation States.	MFx
1008954	Andrew Aquila	Commissioning of the HXR Dual Channel Cut Mono	MFx
1008184	Mark Dean	Character and propagation of many-body photoexcited excitons in van der Waals antiferromagnet NiPS3	qRIXS
1008376	Thorsten Schmitt	Ultrafast dynamics of electron-phonon coupling in the photo-induced metal-insulator transition of NdNiO3	qRIXS
1008519	Matteo Mitrano	Probing light-induced Luttinger plasmons in the one-dimensional cuprate Sr2CuO3	qRIXS
1008543	Giacomo Coslovich	Unveiling the pairing glue responsible for the high critical temperature in cuprates	qRIXS
X-10175	Dakovski, Georgi	Run 23 qRIXS Commissioning	qRIXS
X-10187	Dakovski, Georgi	qRIXS Validation: Tracing Zhang-Rice singlet dynamics in a one-dimensional cuprate	qRIXS
1008276	James Cryan	Real-time Observation of Ultrafast Electron Motion using Attosecond XFEL Pulses	TMO
1008500	Markus Guehr	Exploring light-induced proton coupled electron transfer via time resolved x-ray spectroscopy	TMO
1008672	Antonio Picon Alvarez	Attosecond Core-Hole Hopping	TMO
L-10343	Calegari, Francesca	Charge migration and electron nuclear coupling in aromatic amino acids: a site-selective and comparative study	TMO
L-10396	Ullrich, Susanne	Mechanistic Insights into the Intersystem Crossing and Triplet State Dynamics of 2-Thiouracil	TMO
L-10450	Green, Alice	Direct Probing of Ultrafast Photochemistry of Cyclic Carbonyl Following Excitation of its Weak UV-B Absorption	TMO
L-10470	Rudenko, Artem	Real-time measurement of sub-femtosecond charge migration triggered by site-specific inner-shell ionization	TMO
X-10093	Cryan, James	TMO Early Science: Investigating ultrafast intersystem crossing in organic push-pull molecules by X-ray absorption	TMO
X-10096	Cryan, James	TMO Technical Validation: Single Pulse XLEAP (Raman)	TMO
X-10168	Cryan, James	Run 23 TMO Commissioning	TMO
1006354	Benjamin Ofori-Okai	Determining the ultrafast structural evolution of nickel and carbon driven to extreme conditions	UED
1006385	Burak Guzel Turk	Ultrafast manipulation of freestanding thin ferroic films and their heterostructures	UED
1006388	Shuai Wei	Anomalous fast dynamics in GeSe and GeTe	UED
1006390	Alfred Zong	Deterministic control of nonequilibrium phase competition via in-situ strain	UED
1006392	Xinxin Cheng	Electron crystallography of small organic molecules: Probing structural dynamics of provitamin D upon UV excitation	UED
1006413	Mianzhen Mo	Benchmark interatomic potentials for fusion materials applications	UED
1006416	Mianzhen Mo	Probing the melting behavior of refractory W-Re alloys	UED
1006419	Sharon Philip	Out-of-plane polarization switching by interlayer sliding in 2D ferroelectric 3R-WS2	UED
1006446	Michael Zuerch	Ultrafast manipulation of chiral charge density waves	UED
1006450	Aditya Sood	Ultrafast Polarization Dynamics in Ferroelectrics	UED
1006477	Nuri Yazdani	Enhanced Electron-Phonon Coupling in Soft, Disordered Perovskites	UED
1006478	Hao Zhang	Refining ultrafast lattice dynamics in 2D hybrid perovskites through precise symmetry and distortion manipulation	UED
1008275	Natalia E. Powers-Riggs	Tracking solvent reorganization upon metal-to-ligand charge transfer in solution of [Ru(CN)4(BPY)2]- in Acetonitrile	XCS
1008365	Lin Chen	Probing Real-Time Nuclear Motions Following Photoinduced Bond-Breaking Using Ultrafast X-ray Solution Scattering	XCS
1008367	Felix Castellano	Resolving the Charge Transfer Excited State Character of Phenanthroline-Ligated Chromium(III) "Molecular Rubies"	XCS
1008469	Yue Cao	Revealing the hierarchical evolution of polar order in a relaxor ferroelectric	XCS
1008480	Choongwon Seo	Coherent control of collective states in an intertwined superconductor	XCS
1008534	Reinhold Dauskardt	Combustion dynamics and kinetics for low-temperature, scalable generation of metal oxide thin films and metallic nanomaterials by time-resolved XANES	XCS
1008556	Matthias Ihme	Probing nanoscale structural response from hard X-ray single-photon ionization in liquids	XCS
1008595	Aaron Lindenberg	Out-of-plane polarization switching by interlayer sliding in 2D ferroelectric 3R-WS2	XCS
1008615	roberto alonso mori	Ultrafast Photochemical and Photophysical Investigations of Light-Driven Diiron Hydrogen Evolution Catalysts	XCS
1008616	Limei Zhang	Mechanistic insights into nitrosylation intermediates of protein-bound Fe-S clusters	XCS
1008643	Alec Follmer	<b>BIOLOGICAL SCIENCE CAMPAIGN:</b> Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis - ongoing campaign	XCS

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1008652	Venkatraman Gopalan	<b>MATERIALS SCIENCE CAMPAIGN:</b> Fluctuations, Emergence and Dynamics of Complex Topological Supertextures by Design	XCS