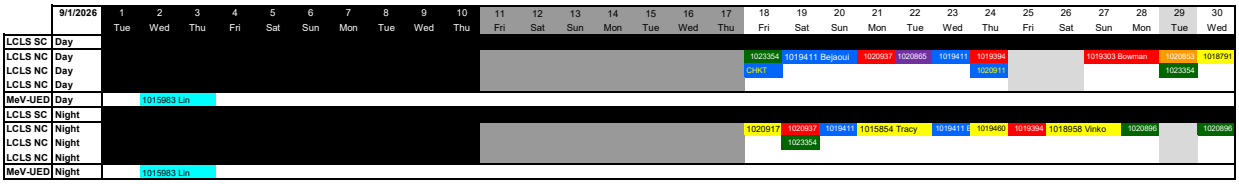
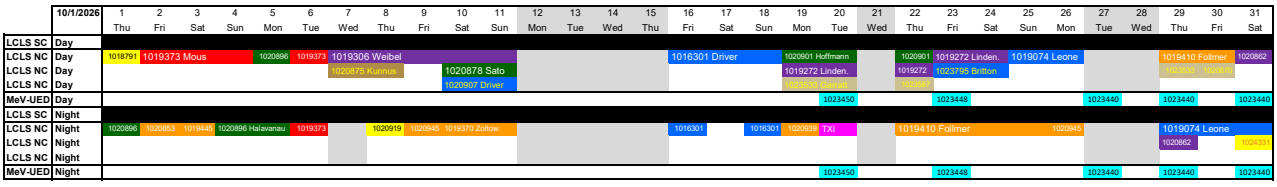
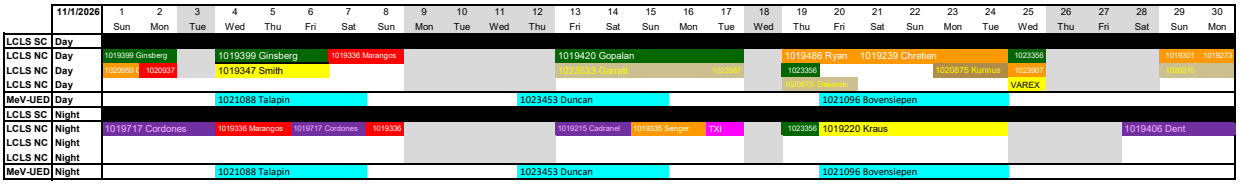
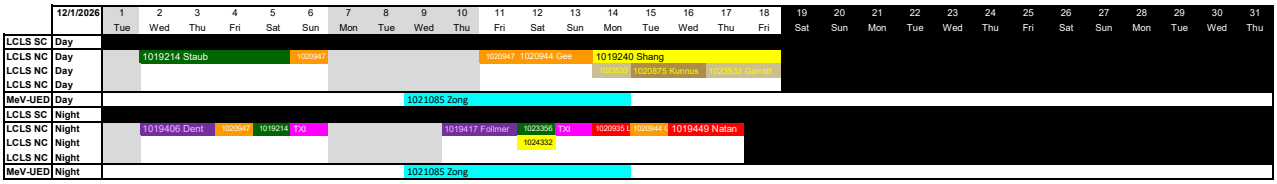
LCLS Run 27 and MeV-UED Run 7 Schedules

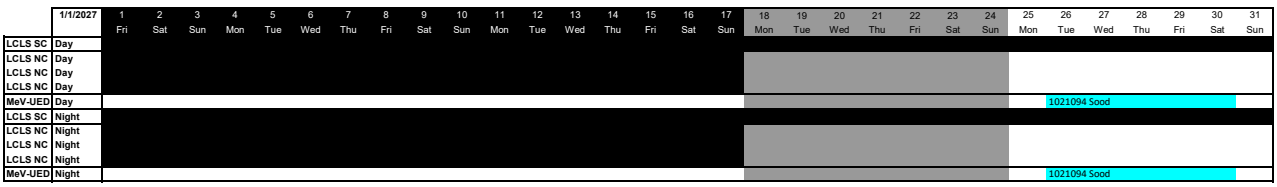
Ver 3: 10/09/2026

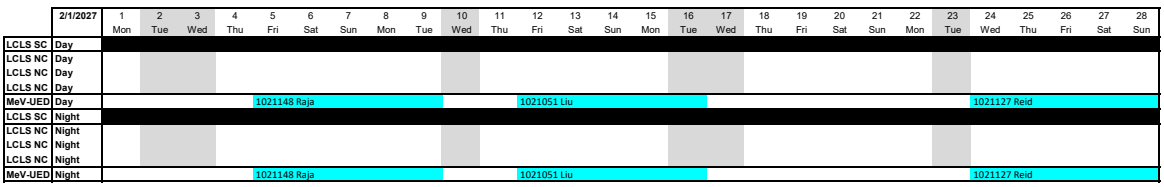


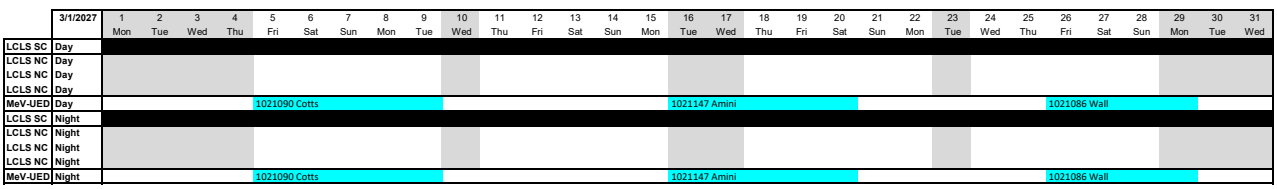


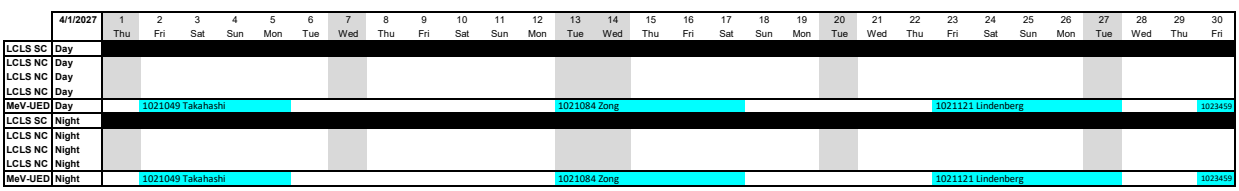












TMO TXI ChemRIXS qRIXS XPP XCS MFX CXI MEC UED Safety Pause MD Startup Down

Prop No	Spokesperson	Category	Title	POC	Inst
1019262	Linda Young	Campaign	Radiolysis on the physico-chemical timescale in extreme environments	Garratt	chemRIXS
1020875	Kristjan Kunnus	IH-COMM	chemRIXS Run 27 commissioning	Kunnus	chemRIXS
1020890	Kristjan Kunnus	In-House	Time-resolved transmission-XAS validation with the new ePixM detector	Hoffman	chemRIXS
1020904	Douglas Garratt	In-House	Methods for Enhancing Time Resolution at chemRIXS	Kunnus	chemRIXS
1019116	Ruaridh Forbes	DC&S	Disentangling Competing Photodissociation Channels in Nitrobenzene via Time-Resolved X-Ray Scattering	Cheng	CXI
1019206	Krishna Khakurel	DC&S	Probing structural dynamics during photo inhibition of DHFR by Phototrexate	Mous	CXI
1019294	Xinxin Cheng	DC&S	Imaging Ultrafast Cation Dynamics of 1,4-Dimethylpiperazine with Hard X-ray Scattering	Minitti	CXI
1019303	Sarah EJ Bowman	General User	Exploring X-ray Nanocrystallography Through a Systematic Approach Finding the Limits	Mous	CXI
1019310	Mouzhe Xie	DC&S	High-throughput strain and morphological characterization of nanodiamond quantum sensors	Mous	CXI
1019336	Jonathan Marangos	General User	Solution phase metal complexes probed by impulsive stimulated X-ray Raman scattering at the copper K edge using attosecond pulses	Liang	CXI
1019373	Sandra Mous	General User	Short-pulse XFEL Crystallography	Mous	CXI
1019394	Dominik Oberthuer	DC&S	Structural biology of anthelmintic proteins using native nano crystals.	Mous	CXI
1019404	Yusong Liu	DC&S	Photo-initiated structural dynamics of 1,3-Cyclooctadiene: a joint theory and multi-modal experimental study	Minitti	CXI
1019421	Artem Rudenko	DC&S	Resolving nuclear motion during the first 100 fs of a ring opening reaction in thiophenone	Cheng	CXI
1019449	Adi Natan	General User	Ultrafast Structural Dynamics in Neutral and Ionic Retro-Diels-Alder Reactions	Cheng	CXI
1019453	Huynh Van Sa Lam	DC&S	Ultrafast X-ray scattering of furan: quantitative branching between ring-opening vs ring-puckering relaxation	Minitti	CXI
1020935	Mengning Liang	IH-COMM	Gas Phase Commissioning	Liang	CXI
1020936	Mengning Liang	IH-COMM	Liquid Jet commissioning	Liang	CXI
1020937	Mengning Liang	IH-COMM	nanofocus commissioning	Liang	CXI
1015854	Sally June Tracy	General User	Dynamic Compression of Iron-Sulfur Alloys at the Earth's Core Conditions	Nagler	MEC
1018791	Michael Stevenson	DC&S	Mapping the diamond formation region in doped hydrocarbon slurries	Nagler	MEC
1018958	Sam M. Vinko	General User	Uncovering Magnetite behavior under shock compression down to the Core-Mantle Boundary	Nagler	MEC
1019220	Dominik Kraus	General User	Microscopic structure and diamond formation in the ablator material GDP in the first stages of ICF implosions	Lee	MEC
1019240	Jessica Shang	General User	Visualizing the turbulent release of laser-accelerated foams	Galtier	MEC
1019297	Saransh Singh	General User	Unraveling a new mechanism for shock melting	Khaghani	MEC
1019347	Raymond Smith	DC&S	Quantifying Off-Hugoniot Compression and X-Ray Preheat in Laser-Shock Diffraction Experiments	Galtier	MEC
1019428	Trevor Hutchinson	General User	X-ray pumped transient grating spectroscopy of shock compressed planetary materials	Khaghani	MEC
1019460	Melissa Sims	DC&S	A Release Path Study of Feldspar under Dynamic Conditions	Lee	MEC
1020891	Bob Nagler	In-House	Temperature measurements in Warm Dense Matter and Shock Compressed Matter using High Resolution Inelastic X-ray Scattering	Lee SX	MEC
1020914	Eric Galtier	IH-COMM	Checking fs timing for all SPL experiments	Khaghani	MEC
1020917	Eric Galtier	IH-COMM	Checking diffraction coverage for all LPL experiments	Khaghani	MEC
1020918	Eric Galtier	IH-COMM	Testing diamond CRL for XRT and hutch	Khaghani	MEC
1020919	Eric Galtier	IH-COMM	Commissioning of the variable photon energy high-resolution monochromator	Nagler	MEC
1020920	Eric Galtier	IH-COMM	Investigation of High photon energy Thomson Scattering capabilities	Lee	MEC
1024331	Amanda Chen	IH-COMM	Commissioning and characterization of a von Hamos Ge spectrometer for multi-elemental K-shell XES	Lee	MEC
1024332	Eric Galtier	IH-COMM	MEC Training Camp	Lee SX	MEC
1015920	J. Nathan Hohman	General User	Analyzing Chalcogen and Metal Variation in Microcrystalline Metal-Organic Chalcogenolates via Small-Molecule Serial Femtosecond X-Ray Diffraction	Schriber	MFX
1018179	Alec Follmer	Campaign	Structural and Dynamic Basis of Quantum Effects in Enzyme Systems	Dehe	MFX
1019130	Patrick Rabe	General User	Time-resolved SFX studies on Renilla luciferase and aspartate/asparagine-beta-hydroxylase using in situ O2-generation methodologies	Gee	MFX
1019223	Yisong Guo	General User	Spin State and Reactivity of Oxyferryl Intermediates Found in Nonheme Iron Enzymes with A Non-Canonical Iron Center	Gee	MFX
1019239	Anais Chretien	General User	Time-Resolved Serial Femtosecond Crystallography study of Tetracycline Destructases to capture tetracycline binding and catalytic intermediates essential for tetracycline inactivation	Mous	MFX
1019263	Elyse Schriber	General User	Multi-user high-throughput small-molecule serial femtosecond crystallography at the LCLS	Rosenberg	MFX
1019273	Ahit Kaan Tarhan	DC&S	Inhibition dynamics of human ALDH1B1 with covalent quinoline ligands	Mous	MFX
1019301	Laura Dassama	DC&S	Using Time-resolved X-ray crystallography to investigate bacterial HMGRs for isoprenoid regulation	Mous	MFX
1019334	Agnidipta Ghosh	DC&S	Conformational Dynamics of DNPH1 During Processing of Epigenetically Modified Nucleotides	Schriber	MFX
1019335	Moritz Senger	DC&S	Development of anaerobic sample delivery of [FeFe]-hydrogenases for ultrafast TR-SFX.	Baxter	MFX
1019370	Brian Zoltowski	DC&S	The Molecular Mechanism of Magnetoreception: Time-Resolved SFX of ClCRY4 Mutants	Schleissner	MFX
1019397	Yi Lu	DC&S	Understanding Heme-copper oxidases and Nitric Oxide reductases: Elucidation of electronic and geometric structural changes in the catalytic cycles by using XRD and XES at room temperature	Baxter	MFX
1019410	Alec Follmer	Campaign	Structural and Dynamic Basis of Quantum Effects in Enzyme Systems	Ribson	MFX
1019416	Stephen Ragsdale	DC&S	Characterization of one-carbon gas metabolizing Ni-dependent metalloenzymes Carbon Monoxide Dehydrogenase and Methyl-Coenzyme M Reductase bound to native ligands	Schleissner	MFX
1019441	Jan Kern	Campaign	Structural dynamics of metalloenzymes that catalyze reactions of small molecules relevant for the energy economy	Rosenberg	MFX
1019445	Samsuzzoha Mondal	DC&S	Time-resolved XFEL to capture structural dynamics of magnetic field effects in a magnetically-functional LOV domain	Schleissner	MFX
1019448	Junko Yano	General User	Structural and Chemical Dynamics of Photosystem II During Light-Induced Water-Oxidation	Baxter	MFX
1019486	Katherine Ryan	DC&S	Heme-dependent formation of nitrogen-nitrogen bonds	Baxter	MFX
1020853	Leland Gee	IH-COMM	Warm-up of the MFX Instrument	Baxter	MFX
1020854	James Baxter	IH-COMM	XLJ Warmup	Baxter	MFX
1020855	Sebastian Dehe	IH-COMM	Warm-up of the DOD	Baxter	MFX
1020856	Daniel Rosenberg	IH-COMM	Warmup of Coyote Configuration	Rosenberg	MFX
1020939	Alexander Batyuk	In-House	ePixUHR 35kHz Detector - Characterization of production 1Megapixel module and calibration scheme validation	Gee	MFX
1020944	Leland Gee	In-House	Evaluating Parameters for SFX-derived Polarization-dependent XANES towards MFX-HE Early Science	Gee	MFX
1020945	Leland Gee	In-House	Exploration of Scanning Undulator-only Hard X-ray Absorption Spectroscopy in Preparation for LCLS-II-HE Early Science	Gee	MFX
1020947	Leland Gee	In-House	Extension of Tunable Self-Seeding Scans to Enable Ultrafast Dilute XAS and EXAFS Spectroscopy Experiment	Gee	MFX
1020950	Leland Gee	In-House	Full autonomous alignment of the MFX XES Spectrometer (autoMFX)	Poitevin	MFX
TC-MFX	Leland Gee	IH-COMM	MFX Training Camp	Gee	MFX
1023907	Raymond Sierra	IH-COMM	Liquid jet chips testing or/and crystal hit rate characterization	Sierra	MFX
1020870	Georgi Dakovski	IH-COMM	Comprehensive commissioning of qRIXS	Shen	qRIXS
1023533	Douglas Garratt	IH-COMM	Surface Science Endstation Commissioning	Garratt	qRIXS
1023587	Georgi Dakovski	IH-COMM	qRIXS Training Camp for Run 27	Shen	qRIXS
1016301	Taran Driver	In-House	Electron-Ion Covariance & Cumulant Mapping for TMO	Lin	TMO
1019074	Stephen Leone	General User	Capturing diradical reaction intermediates with the unique femtosecond X-ray capabilities of the LCLS	Lin	TMO
1019411	Salma Bejaoui	General User	Probing the Ultrafast Site-Specific X-ray Spectroscopy of Benzonitrile Following Core-Level Ionization in Conditions Relevant to the Interstellar Medium	Obaid	TMO
1019431	Aaron LaForge	General User	Attosecond charge migration dynamics driven by coherent core ionization	Cryan	TMO
1020906	Taran Driver	IH-COMM	Streaking Commissioning	Cryan	TMO
1020907	Taran Driver	IH-COMM	MBES Commissioning	Lin	TMO
1020911	Taran Driver	IH-COMM	Attosecond Delay Line Commissioning	Driver	TMO
1020933	Mathew Britton	In-House	Spectral timetool development	Lin	TMO
1023450	Cameron Duncan	In-House	Detector Protection Device for Enlarging ePix Field of View	Duncan	UED
1023448	Cameron Duncan	In-House	Selected area diffraction using electron micro-beams	Duncan	UED
1023440	Fuhao Ji	In-House	Agentic Automation of MeV-UED Operational Workflows: From End-to-End Beam Retuning to Single-Request Time-Zero Determination	Ji	UED
1021088	Dmitri Talapin	General User	Unveiling Tunability of Electron – Phonon Coupling in Surface-Termination and Lateral-Size Engineered 2D MXenes	Koralek	UED
1023453	Cameron Duncan	In-House	Nanofocused scanning ultrafast electron diffraction	Duncan	UED
1021096	Uwe Bovensiepen	General User	Electron-phonon coupling to the crystal lattice in Borophane	Mo	UED
1021085	Alfred Zong	General User	Direct Capture of Nonlinear Phononic Coupling in Ferroelectric Perovskites	Siddiqui	UED

Prop No	Spokesperson	Category	Title	POC	Inst
1021094	Aditya Sood	General User	Hot-phonon-mediated interfacial thermal transport across atomic junctions	Philip	UED
1021148	Archana Raja	General User	Mapping Phonon Highways in Magnetic CrSBr-WS2Heterostructures	Koralek	UED
1021051	Fang Liu	General User	Probing Electron Phonon Coupling in Magic-Angle Twisted Bilayers	Reid	UED
1021127	Alexander Reid	General User	Uncovering the mechanism behind photo-control of magnetic anisotropy in CGT/WS2 heterostructures	Siddiqui	UED
1021090	Benjamin Cotts	General User	Resolving Polaronic Lattice Deformations in Catalytic Metal Oxide Nanoparticles: Size and Stoichiometry Effects	Lin	UED
1021147	Kasra Amini	General User	Cryogenic UED of self-trapped exciton formation in lead-free double perovskites	Koralek	UED
1021086	Simon Wall	General User	Direct probing of photoinduced polaron formation in layered manganite Pr0.5Ca1.5MnO4	Siddiqui	UED
1021049	Yukiko Takahashi	General User	Lattice and Thermal Dynamics in Magnetic Recording Beyond the Nanosecond Limit	Reid	UED
1021084	Alfred Zong	General User	Electric-field control of nonequilibrium states in van der Waals ferroelectrics	Koralek	UED
1021121	Aaron Lindenberg	General User	The dynamics of switching in van der Waals ferroelectrics	Siddiqui	UED
1023459	Yusong Liu	In-House	Real-Time Transient Signal Visualization and Optimization Infrastructure for MeV-UED	Liu	UED
1023451	Cameron Duncan	In-House	Enhanced THz-sample coupling	Lentz	UED
1021124	Aaron Lindenberg	General User	Probing Ion Hopping Transition States in Battery Cathode Materials	Philip	UED
1023458	Alexander Reid	In-House	Commissioning an In-Situ Uniaxial Strain Environment for MeV-UED: Benchmarking Spin-Lattice Dynamics in vdW Ferromagnet Fe3GaTe2	Reid	UED
1021132	Erika Mahealani Hunting	General User	Studying the melting dynamics in W-Re alloys with time-resolved ultrafast electron diffraction	Mo	UED
1021065	Khalid Siddiqui	General User	Visualizing momentum-resolved energy transport in cobalt across the HCP-FCC phase transition	Reid	UED
1021097	Markus Scholz	General User	Ultrafast release of a hidden M-point lattice instability in the altermagnet CrSb	Koralek	UED
1019121	Josh Vura-Weis	DC&S	Anisotropic Electronic and Nuclear Dynamics in a Heterometallic Extended Metal Atom Chain	van Driel	XCS
1019215	Alejandro Cadranel	DC&S	Direct observation of dynamic solvent effects on electron transfer	Raj	XCS
1019222	Antonin Vlcek	General User	Imaging photochemical metal-metal bond formation in a di-iridium complex by ultrafast X-ray solution scattering	Raj	XCS
1019306	Catherine Weibel	General User	Collective acoustic excitation in glasses	Sun	XCS
1019406	Matthew Dent	General User	Assessing the role of ligand binding dynamics on carbon monoxide selectivity and allosteric activation in the carbon monoxide sensor protein RcoM	Ribson	XCS
1019417	Alec Follmer	DC&S	Long Range Dynamic Allosteric Coupling of Carbon Monoxide-Binding Transcription Factors	Ribson	XCS
1019465	Gourab Chatterjee	General User	Structural elucidation of vibrationally induced ground-state chemistry	van Driel	XCS
1019475	Marco Reinhard	DC&S	Elucidating the ligand-to-metal charge transfer deactivation mechanism in aqueous ferricyanide	van Driel	XCS
1019717	Amy Cordones	Campaign	Identifying Design Principles for the Covalent control of Electronic Excited State Reactivity in Transition Metal Complexes ongoing campaign	Raj	XCS
1020861	sanghoon song	IH-COMM	XCS beamline checkout	Song	XCS
1020862	sanghoon song	IH-COMM	XCS liquid jet standard configuration commissioning	Song	XCS
1020865	sanghoon song	IH-COMM	XCS split and delay system commissioning	Song	XCS
1020866	sanghoon song	IH-COMM	XCS THz system checkout	Song	XCS
1020943	Tim Brandt van Driel	In-House	Diagnostics and evaluation of the time-resolution at XCS	Poulter	XCS
1008525	Paul Evans	General User	Resonant terahertz magnon-polaron excitation in ferrimagnetic garnets: a new regime of coupled magnetic modes	Sato	XPP
1019214	Urs Staub	Campaign	Chiral and axial phonon dynamics for angular momentum transfer	Sato	XPP
1019272	Aaron Lindenberg	Campaign	Visualization and control of voltage-driven switching pathways	Seaberg	XPP
1019360	Umang Agarwal	General User	Studying Non-equilibrium Phonon Dynamics in Radiation Damaged Nuclear Materials through X-ray Pump and X-ray Probe Diffuse Scattering	Schriber	XPP
1019399	Naomi Ginsberg	Campaign	Elucidating the multiscale mechanisms of superionic transport in next generation solid state electrolytes	Sun	XPP
1019420	Venkatraman Gopalan	General User	THz-bandwidth Electro-Optic Response in Metastable Ferroelectric Phases for Quantum Transduction	Seaberg	XPP
1019439	Mariano Trigo	General User	Three-dimensional THz-x-ray spectroscopy and scattering	Sato	XPP
1019451	Thomas Linker	General User	Attosecond Tracking of Correlated Charge Transfer During 3p Core-Hole Decay in Nickel-based quantum materials	Sun	XPP
1019483	Taran Driver	General User	Attosecond Hard X-ray Scattering of Electron Motion	Sun	XPP
1020876	Takahiro SATO	IH-COMM	XPP low-T chamber + THz recovery	Sato	XPP
1020877	Takahiro SATO	IH-COMM	Atto split and delay optics checkout	Li	XPP
1020878	Takahiro SATO	IH-COMM	In-air diffraction checkout commissioning &TC	Li	XPP
1020896	Aliaksei (Alex) Halavanau	In-House	Towards Cavity-Based XFEL: Measurement of the CBXFEL Cavity Quality Factor	Sato	XPP
1020901	Matthias Hoffmann	In-House	Direct Calibration of THz PumpX-ray Probe Experiments Using Reference Materials	Li	XPP
1023354	Takahiro SATO	IH-COMM	XPP recovery and checkout	Sato	XPP
1023356	Takahiro SATO	In-House	LCLS-II-HE detector commissioning	Sun	XPP
DET_PINK	Conny Hansson	IH-COMM	Pink beam UHR beamtime	Sun	XPP