Scheduling LCLS Run 20

Ver 11: 08/18/2022

1/1/2022	1 Sat	2 Sun	3 Mon	4 Tue	5 Wed	6 Thu	7 Fri	8 Sat	9 Sun	10 Mon	11 Tue	12 Wed	13 Thu	14 Fri	15 Sat	16 Sun	17 Mon	18 Tue	19 Wed	20 Thu	21 Fri	22 Sat	23 Sun	24 Mon	25 Tue	26 Wed	27 Thu	28 Fri	29 Sat	30 Sun	31 Mon
Day																								X440 Chollet			X529 Sato			X511 Rob.	
Day																															
Night																											LY56 March				
Night																												X532 Aquila			

2/1/2022	1 Tue	2 Wed	3 Thu	4 Fri	5 Sat	6 Sun	7 Mon	8 Tue	9 Wed	10 Thu	11 Fri	12 Sat	13 Sun	14 Mon	15 Tue	16 Wed	17 Thu	18 Fri	19 Sat	20 Sun	21 Mon	22 Tue	23 Wed	24 Thu	25 Fri	26 Sat	27 Sun	28 Mon
Day	LX11 Robinson			LY51 Nguyen							X497	LX99 Rao				LX99	LW61 Weik		X483 Marc.					X483 Marcus			LV17	
Day				LZ07 Schmidt													X497 Lin		LW61 Weik				LZ04 Westenhoff				
Night	LX83 Takagi				LX64 Appel						X443 Moell.	X497	LY53 G				LY53 Gaffney							LV17 Gorkhover		X493	LV17	
Night																												

3/1/2022	1 Tue	2 Wed	3 Thu	4 Fri	5 Sat	6 Sun	7 Mon	8 Tue	9 Wed	10 Thu	11 Fri	12 Sat	13 Sun	14 Mon	15 Tue	16 Wed	17 Thu	18 Fri	19 Sat	20 Sun	21 Mon	22 Tue	23 Wed	24 Thu	25 Fri	26 Sat	27 Sun	28 Mon	29 Tue	30 Wed	31 Thu
Day	LZ08	X493 Hart			LX59 Pollack					LX88 Savoini								X531 Hunter						LY87 Eggert							LX57
Day										LY64 Kern			PCS							LY99 Kern					X494 Wolf						LY38
Day																															X494
Night		X493	LY77 Poulter			P239				P239	LY54 Hadt						LY99 Kern				PCS			X494	LY34 Biasin						LY34
Night																					X483 Marcus										

4/1/2022	1 Fri	2 Sat	3 Sun	4 Mon	5 Tue	6 Wed	7 Thu	8 Fri	9 Sat	10 Sun	11 Mon	12 Tue	13 Wed	14 Thu	15 Fri	16 Sat	17 Sun	18 Mon	19 Tue	20 Wed	21 Thu	22 Fri	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri	30 Sat
Day	LX57 Ueda				COMM				LY47 Shim						LX63 Glowni		LY01 Young			LZ03		LZ03		LY96	LY01	LV49 Rous.	LW32	LY43 Reis		
Day	LY38 Yano				PCS																					SU	SU		LV49 Rous.		
Day	COMM	COMM	X494	COMM																										
Night	LY34 B	LY65 Schriber			LZ08			LY35 Gopalan						LX63 G	lowni	LY78 Rudenko						LY96		LY96	LY01	LX87 Rolles	LW32	LX87	LY02	
Night								X483 Marcus																						
Night											TC	TC																		

5/1/2022	1 Sun	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat	8 Sun	9 Mon	10 Tue	11 Wed	12 Thu	13 Fri	14 Sat	15 Sun	16 Mon	17 Tue	18 Wed	19 Thu	20 Fri	21 Sat	22 Sun	23 Mon	24 Tue	25 Wed	26 Thu	27 Fri	28 Sat	29 Sun	30 Mon	31 Tue
Day	LY43 Reis					LX69 Hua						LX55 Neutze				LX52				LY72 Cryan			LW45			X501 Koralek				
Day		PCS	PCS																											
Night	LY02 Wolf											LX52 Marangos		LY72	LX52		LW45 Svetina			LY72	LW45			LY27 White					
Night																														

6/1/2022	1 Wed	2 Thu	3 Fri	4 Sat	5 Sun	6 Mon	7 Tue	8 Wed	9 Thu	10 Fri	11 Sat	12 Sun	13 Mon	14 Tue	15 Wed	16 Thu	17 Fri	18 Sat	19 Sun	20 Mon	21 Tue	22 Wed	23 Thu	24 Fri	25 Sat	26 Sun	27 Mon	28 Tue	29 Wed	30 Thu
Day		LW39 Wei						LX65 Minitti						X504 Kunnus			LY91 Cryan													X519
Day				X520 Wu																										
Night		LX93 Forbes						LY00 Fromme							LY98 Yano														X495 Sun	
Night																													X519	

7/1/2022	1 Fri	2 Sat	3 Sun	4 Mon	5 Tue	6 Wed	7 Thu	8 Fri	9 Sat	10 Sun	11 Mon	12 Tue	13 Wed	14 Thu	15 Fri	16 Sat	17 Sun	18 Mon	19 Tue	20 Wed	21 Thu	22 Fri	23 Sat	24 Sun	25 Mon	26 Tue	27 Wed	28 Thu	29 Fri	30 Sat	31 Sun
Day	X519 van Driel							TC	TC	LZ06 Poulter				LX97 Chen								LW52 Collet						X498 Hunter		PCS
Day																															
Night	X495 Sun							PEPPEx	TC	COMM	TC	PEPPEx		X510 Cryan			LZ00 Hadt					L-10133 Biasin				LX97	X455 Lee			
Night																															

8/1/2022	1 Mon	2 Tue	3 Wed	4 Thu	5 Fri	6 Sat	7 Sun	8 Mon	9 Tue	10 Wed	11 Thu	12 Fri	13 Sat	14 Sun	15 Mon	16 Tue	17 Wed	18 Thu	19 Fri	20 Sat	21 Sun	22 Mon	23 Tue	24 Wed	25 Thu	26 Fri	27 Sat	28 Sun	29 Mon	30 Tue	31 Wed
Day	PCS			LY25 Sension						X523 Khaghani							L-10134 Weisse-Bernstein			LY45											
Day																															
Night							LY25			LW30 Bergmann							LY45 Li			L-10134											
Night																															

TMO ChemRIXS qRIXS XPP XCS MFX CXI MEC

Prop No	Spokesperson	Title	Inst
LV17	Gorkhover, Taisia	EXPLORING DAMAGE REDUCTION AT THE ATTOSECOND TIMESCALE	TMO
LV49	Rousseau, Denis	Capturing Biology in Action: Snapshots of Oxygen Intermediates in Cytochrome c Oxidase	MFX
LW30	Bergmann, Uwe	**DD**: An X-ray Laser Oscillator at the Copper K-alpha1 line	CXI
LW32	Young, Linda	**CHEMISTRY SCIENCE CAMPAIGN**: The origin of reactive species in radiolysis of aqueous systems	ChemRIXS
LW39	Wei, Shuai	Uncovering the relaxation dynamics during a fragile-strong liquid transition	XPP
LW45	Svetina, Cristian	All X-ray Transient Grating via heterodyne detection to study non-diffusive thermal transport in crystalline silicon	XCS
LW52	Collet, Eric	Electronic and structural dynamics of photoinduced charge-transfer polaron	XPP
LW61	Weik, Martin	Understanding and design of photosensory proteins for optogenetics and nanoscopy	CXI
LX11	Robinson, Ian	Ultrafast Pair Distribution Functions of d-Orbital Quantum Materials	MFX
LX52	Jonathan Marangos	Impulsive X-ray Raman Scattering in Liquids and Reading the Photonic Signal	ChemRIXS
LX55	Richard Neutze	Time-resolved serial femtosecond crystallography studies of the reduction of oxygen to water by cytochrome c oxidase	MFX
LX57	Hiroki Ueda	Ultrafast dynamics of crystal chirality through resonant excitation of a chiral soft mode	XPP
LX59	Lois Pollack	Determining time-resolved nucleic acid structural dynamics using small and wide angle solution scattering and mixing injectors	CXI
LX63	James Glownia	Ultrafast X-ray scattering beyond the Independent atom model	CXI
LX64	Karen Appel	Structure of FeO and (Mg,Fe)O solid solutions and melts at ultra-high pressures	MEC
LX65	Michael Minitti	Tuning Strained-Ring Cyclization via Conical Intersections	CXI
LX69	Nelson Hua	Probing Ultrafast Charge and Orbital Fluctuations within the Trimeron Phase of Magnetite	XCS
LX83	Sota Takagi	The Phase Transition Behavior of Shock-loaded Baddeleyite	MEC
LX87	Daniel Rolles	UV-Induced Bidirectional Ring-Interconversion of Quadricyclane and Norbornadiene	CXI
LX88	Matteo Savoini	Multidimensional pathways for coherent control of ferroic order via soft phonon modes	XPP
LX93	Ruaridh Forbes	Competing reaction pathways: ring-opening versus bond cleavage in cyclic molecular systems	CXI
LX97	Lin Chen	Supramolecular Assemblies of Light- and Redox-Active Transition Metal Complexes for Photoinduced Electron Transfer and Catalysis	ChemRIXS
LX99	Roopali Rao	Ultrafast studies on non-equilibrium dynamics at ultrahigh pressures in silicate glasses	MEC
LY00	Petra Fromme	Water splitting in Photosystem II studied by time resolved XES and SFX with femtosecond pulse duration	MFX
LY01	Linda Young	Radiolysis on the physico-chemical timescale in extreme environments	ChemRIXS
LY02	Thomas Wolf	Mechanistic insights into the photochemical reactivity of aromatic carbonyls	TMO
LY25	Roseanne Sension	Visualizing the Optical Control of Chemical Dynamics	XPP
LY27	Thomas White	Model Independent Ion Temperature, Debye Temperature and Bond Strength Measurements in WDM	MEC
LY34	Elisa Biasin	Controlling solar energy conversion and photocatalysis in liquid environment	XCS
LY35	Venkatraman Gopalan	**MATERIALS SCIENCE CAMPAIGN**: Fluctuations, Emergence and Dynamics of Complex Topological Superstructures by Design	XCS
LY38	Junko Yano	**BIOLOGY SCIENCE CAMPAIGN**: Structural and Chemical Dynamics of Photosystem II During Light-Induced Water-Oxidation and Energy Conversion	MFX
LY43	David Reis	Higher-order X-ray-Optical Sum-Frequency Generation	XPP
LY45	Siqi Li	Attosecond pulse shaping with dense gas	TMO
LY47	Sang-Heon Shim	Effect of Iron on Silicate Melts at the Extreme Conditions of Deep Planetary Interiors	MEC
LY51	Quynh Nguyen	Chirality Dependence of Charge Density Wave in Axionic Ta(Se4)2I Weyl Semimetals	XPP
LY53	Kelly Gaffney	**CHEMISTRY SCIENCE CAMPAIGN**: Covalent Control of Electronic Excited State Reactivity	XCS
LY54	Ryan Hadt	**BIOLOGY SCIENCE CAMPAIGN**:Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis	XCS
LY56	Anne marie March	Observing the ligand exchange reaction of iron hexacyanide in water	ChemRIXS
LY64	Jan Kern	**BIOLOGY SCIENCE CAMPAIGN**: Structural dynamics of metalloenzymes that catalyze reactions of small molecules relevant for the energy economy	MFX
LY65	Elyse Schriber	High Resolution (0.4 Å) smSFX of 2D Silver n-alkanethiolates as a Training Set for AI tools for the design of hypothetical materials	CXI
LY72	James Cryan	**ATTOSECOND SCIENCE CAMPAIGN**: Real-time Observation of Ultrafast Electron Motion using Attosecond XFEL Pulses	TMO
LY77	Benjamin Poulter	Understanding how Intramolecular and Intermolecular Interactions Dictate Electron Delocalization across 10 Å between two Metal Sites on a Femtosecond Timescale -- XCS Part	XCS
LY78	Artem Rudenko	Imaging femtosecond charge transfer in PENNA cation after site-specific valence photoionization	TMO
LY87	Jon Eggert	Shock-Induced Dislocation Avalanches in Diamond	MEC
LY91	James Cryan	Time-resolving Excited State Electronic Dynamics with Angular Streaking	TMO
LY96	Josh Turner	**DD**: Machine-Assisted 2D Van der Waals Magnetism	XCS
LY98	Junko Yano	**BIOLOGY SCIENCE CAMPAIGN**:Structural and Chemical Dynamics of Photosystem II During Light-Induced Water-Oxidation and Energy Conversion	XPP
LY99	Jan Kern	**BIOLOGY SCIENCE CAMPAIGN**: Structural dynamics of metalloenzymes that catalyze reactions of small molecules relevant for the energy economy	MFX
LZ00	Ryan Hadt	**BIOLOGY SCIENCE CAMPAIGN**: Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis	XPP
LZ03	Ryan Hadt	**BIOLOGY SCIENCE CAMPAIGN**: Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis	MFX
LZ04	Westenhoff, Sebastian	Understanding and design of photosensory proteins for optogenetics and nanoscopy	MFX
LZ06	Benjamin Poulter	Understanding how Intramolecular and Intermolecular Interactions Dictate Electron Delocalization across 10 Å between two Metal Sites on a Femtosecond Timescale -- XPP Part	XPP
LZ07	Schmidt, Marius	Fundamental Events of the Z- to E- Isomerization Reaction of a Bacterial Red-Light Photoreceptor	CXI
LZ08	Hunter, Mark	**DD**: SFX measurements to support the Exascale project	CXI
P217	Christopher Schofield (SP	**PCS**: Tr- SFX and tr-XES studies on the human Fe(II) and 2OG dependant oxygenases AspH and Phd2	MFX
P218	Patrick Rabe (SP)	**PCS**: Validation of a reactive oxygen species in IPNS with substrate/analogues using tr-SFX and XES	MFX
P219	Allen Orville (SP)	**PCS**: Trapping the Fe(iV)=O oxyferryl species in the Fe(II) and 2OG dependant demethylase AlkB	MFX
P221	Jose Martin Garcia (SP)	**PCS**: Towards the Structure Determination of the Catalytic Mechanism of Human NQO1 at XFELs	MFX
P225	Yi Lu (SP)	**PCS**: Understanding Heme-copper oxidases: Elucidation of electronic and geometric structural changes in the catalytic cycle by using XRD at room temperature	MFX
P228	Soichi Wakatsuki (SP)	**PCS**: Dynamic Inhibition Mechanism and Therapeutics Development against SARS-CoV-2 Proteases	MFX
P239	Gee, Leland	**Rapid Access** - Photomechanistic insights into NO- and HNO-evolving redox non-innocent nonheme iron-nitrosyl complexes.	XCS
SU		Stanford University Course	XPP
X440	Chollet, Matthieu	XCS LODCM upgrade commissioning	XCS
X443	Moeller, Stefan	LCLS Soft x-ray Energy Calibration Method	ChemRIXS
X455	Lee, Hae Ja	Commissioning of compact HAPG spectrometer with higher X-ray photon energy from 8 keV to 24 keV	MEC
X483	Marcus, Gabriel	Hard X-Ray Bragg Cavity Manipulation and Measurement for Cavity-Based Free-Electron Laser Development	XPP
X490	Mark Mckelvey	ePixHR/UHR Beamline Testing	ChemRIXS
X493	Philip Hart	Energy and burst rate frontier using GaAs UXI for a Si slip dislocation experiment	MEC
X494	Thomas Wolf	Establishing methods and protocols for optical-X-ray timing in the TMO hutch	TMO
X495	Yanwen Sun	Uncovering universal structural dynamics of femtosecond laser ablation processes with split-pulse XPCS	XPP
X497	Ming-Fu Lin	A flow cell transient absorption of oxazole using Fresnel Zoneplate photon spectrometer	TMO

Prop No	Spokesperson	Title	Inst
X498	Mark Hunter	Automated Droplet on Demand for Macromolecular Crystallography and SAXS/WAXS	MFX
X501	Jake Koralek	Probing the structure of liquid water interfaces	ChemRIXS
X504	Kristjan Kunnus	Thick sheet jets for transmission XAS of dilute solutions outside of the water window	ChemRIXS
X510	James Cryan	Time-Domain Characterization of New Attosecond Soft X-ray Modes at the LCLS	TMO
X519	Tim van Driel	10fs Compressed laser pulses for fastest time-resolution multimodal liquid standard config experiments	XCS
X520	Juhao Wu	Rocking curve imaging characterization of the cryo-cooled HXRSS crystals for LCLS-II-HE in XCS	XCS
X523	Dimitri Khaghani	Commissioning of a standard beam-delivery platform for high-intensity laser experiments at MEC	MEC
X529	Takahiro Sato	Commissioning of multi-functional laser in-coupling chamber	XPP
X531	Mark Hunter	Injection tests for single particle imaging measurements at LCLS	CXI
X532	Aquila, Andrew	**DD**: Real-Time X-Ray Characterization of Ultrafast Metal Combustion	CXI
L-10133	Elisa Biasin	Probing Electron Density Motion in Real Time across a Donor-Bridge-Acceptor Interface with Femtosecond Ruthenium M-edge X-ray Absorption Spectroscopy	ChemRIXS
L-10000	Aaron Brewster (SP)	**Rapid Access:** Small molecule structural studies of metal organic frameworks	MFX
L-10134	Weisse-Bernstein, Nina	**DD**: Director's Discretionary Time Request	XPP