

# Scheduling LCLS Run 19

Ver 10: 12/08/2021

5/1/2021	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
Day							LW88 Cryan	LU94	LW88	LU94			LX50 Gopalan							LW89 Trigo						SU	SU	COMM	COMM	LV27	
Day							X475 vD		X475				LX42 Fromme							X473 van Driel			LW79 Ros				LW79 Ros				
Night							LU94	LW88	LU94	LW88	LU94			X461 Aquila						LX08 Rudenko								LV27 Liekhus-Schmalt			

6/1/2021	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
	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	Tue	Wed
Day		LW59 Descamps					Comm					X447 Sato	COMM				COMM	COMM	X426	COMM	X426	X460	X426	Comm	LW68 Gop.	LW62	COMM	LW68		
Day		COMM	COMM	COMM			PCS				PCS	PCS	PCS							COMM	COMM	COMM								
Night		LW93 Haldrup									COMM	COMM	LW92 Duffy							LX39 Weisse	X426	X460	X426	X444	Sea	LW62	LW68	LW62	X444	LW68
Night						COMM	COMM													LW25 Loomis				COMM				COMM		

7/1/2021	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	
	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	Tue	Wed	Thu	Fri	Sat	
Day	X474 Sun							LV91	LW33	LV91	LW33	lhme		LW33	LW94	LW33	LV62 Espo.	LW36	LW94	LV52			LX31	LX15	LX31	COMM				LX39 Weisse		
Day	LX43 Yano								LX45		LX45	Kern		LX45		LX45															LV07 Zouini	
Night	LX46 Liang					LV91		Comm	LV91	X457	LV91	X457	LV94	Wolf	LW94	LW36	Vinko		LV52	LW94	LW36	LV62		LX31	LX15	LX31			LV65	LV76	LV65	LV76

8/1/2021	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
	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	Tue
Day	LX39	LV65					X437 Nagler						LV39	LV39	LV26	Sensid	LW26														
Day	LV07											CCM																			
Night	LV76 Blush.			LV65 Gork.	LV45	Boschini					LV39	LV26	LV39	LW26																	
Night	PCS	PCS					P205 A-M	PCS	CCM																						

9/1/2021	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	
	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	Tue	Wed	Thu	
Day																															
Night																															

10/1/2021	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
	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	Tue	Wed	Thu	Fri	Sat	Sun
Day	LW64 Cordones-Hahn								X456	X454	COMM	X454	Lin		X533	TC	LX26 Singer		X446				COMM						X446	LX24	
Day												TC					TC	LU76 van Thor						TC						LW50 Cher.	
Day																		COMM		COMM	COMM									Comm	X534
Night	X471	COMM	X471	X456				X470	Alonso-Mori			X533			TC	LW95 Fromme								LX49 Yano					LX48 Gleason		

11/1/2021	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
	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	Tue
Day	LX24	PCS	LX24		LX47 Cohen	P179 Cohen							LW43 Li		TC	X534					LV15 Biasin							X480	TC	X480
Day	LW50 Cher.				LV10 Standfuss	X534							PCS	PCS									TC							
Day	X534 vD																						TC	X534						
Night	LX48	LV10	Dakovski				X489						RA	RA		LW43						LX44	Hadt		X439		X480	X439	X480	X439

12/1/2021	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
	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	Tue	Wed	Thu	Fri
Day		LW84 Trigo												TC			LX00 Cao														
Day		X459	PCS	PCS	X459	TC	X459									TC															
Night		LV72 Young									TC	LV57 Lee					LW49 Nibbering														
Night			X459			X459											LX35 Gauthier														

- TMO
- RIXS
- XPP
- XCS
- MFX
- CXI
- MEC

Prop No	Spokesperson	Title	Inst
COMM	Walter, Peter	Commissioning	TMO
LU72	Young, Linda	Dynamics and coherence in strong-field ionized liquid water	ChemRIXS
LU76	Van Thor, Jasper	Structural dynamics essential for cyanobacterial survival	CXI
LU94	Emma McBride (SP)	Developing Direct Measurements of Electron and Ion Temperatures of Warm Dense Matter	MEC
LV07	Zouni, Athina	Monitoring the ultrafast structural dynamics coupled to charge separation in photosynthetic reaction centers: Why are photosynthetic reaction centers so efficient?	MFX
LV10	Standfuss, Joerg	Monitoring ligand release	CXI
LV15	Biasin, Elisa	Probing Electron Density Motion in Real Time across a Donor-Bridge-Acceptor Interface with Femtosecond Ruthenium M-edge X-ray Absorption Spectroscopy	ChemRIXS
LV27	Liekhus-Schmalt, Chelsea	Electron correlations in an Iron Ruthenium mixed valence complex probed with X-ray pump, X-ray probe transient XANES	CXI
LV39	Kling, Matthias	Time-Resolved Photoemission from Quantum Systems Confined on the Nanoscale	TMO
LV45	Boschini, Fabio	Unveiling the interplay between fluctuating charge-order and superconducting phase coherence in cuprates	ChemRIXS
LV52	Esposito, Vincent	Phase competition in a stripe-skyrmion transition	ChemRIXS
LV57	Lee, Jun-Sik	Pushing the experimental limit for unravelling the physics in high-Tc cuprates	XCS
LV65	Gorkhover, Taisia	ATTONSECOND ELEMENT SPECIFIC INCOHERENT X-RAY FLUORESCENCE IMAGING OF NANOPARTICLES AND COMPOUND CRYSTALS	CXI
LV72	Yu, Edward	PCS: Serial Femtosecond Crystallography Studies of the CusA Heavy-Metal Efflux Pump	CXI
LV76	Bluschke, Martin	Pump-probe resonant x-ray scattering study of ultra-fast nematic order dynamics in the La-based cuprates	ChemRIXS
LV91	Roy, Sujoy	Spin fluctuation of periodically modulated states in amorphous Fe-Ge sample	ChemRIXS
LW10	Dakovski, Georgi	chemRIXS Early Science	ChemRIXS
LW25	Loomis, Eric	Evaluating Intrinsic lattice stability and melt transition of rare-earth intermetallics using high-energy diffraction	MEC
LW26	Sension, Roseanne	Polarized fs-XANES of Electronic and Structural Excited State Evolution in Cobalamins.	XPP
LW33	Ihme, Matthias	Equilibrium Cluster Dynamics at Supercritical Conditions Probed by X-ray Photon Correlation Spectroscopy	XCS
LW36	Vinko, Sam	Electronic structure of Fe oxides in conditions of the Earth's lower mantle	MEC
LW43	Li, Jiarui	The evolution of Neel order in transition metal oxide thin films upon transient photodoping	XPP
LW49	Nibbering, Erik	Femtosecond XAS on Water-Mediated Proton Transfer	ChemRIXS
LW50	Cherezov, Vadim	Serial Femtosecond Crystallography of G protein-Coupled Receptors in Lipidic Cubic Phase	CXI
LW59	Descamps, Adrien	Investigation of "Phonon Hardening" in Ultrafast Optically-pumped Gold using High-resolution Inelastic X-ray Scattering at the Matter in Extreme Condition Endstation	MEC
LW62	Eggert, Jon	Accessing Novel States with LCLS II: Metastable Solidification Kinetics in Copper	MEC
LW64	Cordones-Hahn, Amy	Identifying photocatalyst excited state character and relaxation mechanism with Ni K-edge x-ray absorption spectroscopy	XPP
LW68	Gopalan, Venkatraman	MATERIALS SCIENCE CAMPAIGN: Fluctuations, Emergence and Dynamics of Complex Topological Superstructures by Design	XCS
LW75	Brown, Michael	Investigation of Molecular Mechanism of Rhodopsin Activation By Time-Resolved X-Ray Scattering with a Free-Electron Laser	MFX
LW79	Ros, Alexandra	Microfluidic Mixers and Droplets Facilitating Time-Resolved Macromolecular Crystallography with Minimal Sample Consumption	MFX
LW84	Trigo, Mariano	MATERIALS SCIENCE CAMPAIGN: Nonlinear couplings among collective modes in quantum materials	XPP
LW88	Cryan, James	ATTONSECOND CAMPAIGN: Real-time Observation of Ultrafast Electron Motion using Attosecond XFEL Pulses	TMO
LW89	Trigo, Mariano	Axion field in the Weyl semimetal (TaSe4)2I	XPP
LW92	Duffy, Thomas	Dynamic Compression of Zircon (ZrSiO4) and Rutile (TiO2)	MEC
LW93	Haldrup, Kristoffer	Ultrafast strain imaging with Dark Field X-ray Microscopy	XCS
LW94	Wörner, Hans Jakob	Probing electron-hole delocalization through attosecond core-level chronoscopy	TMO
LW95	Fromme, Petra	Time-resolved XES studies as a function of pulse duration on the water splitting complex in Photosystem II	MFX
LX00	Cao, Yue	Probing collective excitations in the equilibrium and hidden phases of 1T-TaS2 using Fourier transform inelastic X-ray scattering	XPP
LX08	Rudenko, Artem	Imaging femtosecond charge transfer in PENNA cation after site-specific valence photoionization	TMO
LX15	Cryan, James	Time-resolving Excited State Electronic Dynamics with Angular Streaking	TMO
LX24	Shen, Lingjia	Exploring the acoustic phonon dynamics in a quantum solid by picosecond x-ray photon correlation spectroscopy	XCS
LX26	Singer, Andrej	Time-resolved Full Field Bragg X-ray Diffraction Imaging of Non-Equilibrium Structural Domain States	XCS
LX31	Orville, Allen	One and two XFEL pulse, time resolved SFX and XES studies of high valent metal complexes of oxidases and peroxidases	MFX
LX35	Gauthier, Maxence	Visualizing the dynamics of hole boring with X-ray imaging at high repetition rate	MEC
LX39	Weisse-Bernstein, Nina	Directors Discretionary Time Request	XPP
LX42	Fromme, Petra	Dynamics studies of membrane protein receptors in human diseases	MFX
LX43	Yano, Junko	BIOLOGY CAMPAIGN: Structural and Chemical Dynamics of Photosystem II	MFX
LX44	Hadt, Ryan G	BIOLOGY CAMPAIGN: Structural and Dynamic Basis for Quantum Effects in Enzyme Catalysis	XPP
LX45	Kern, Jan	BIOLOGY CAMPAIGN: Structural dynamics of metalloenzymes	MFX
LX46	Liang, Mengning	In-situ scattering of polymer electrospinning	CXI

Prop No	Spokesperson	Title	Inst
LX47	Cohen, Aina	Viral Fusion and Genome Replication: The Achilles Heel of Viral Pathogens	MXF
LX48	Gleason, Arianna	Void collapse physics in ICF ablator materials	MEC
LX49	Yano, Junko	<b>BIOLOGY CAMPAIGN:</b> Structural and Chemical Dynamics of Photosystem II	XPP
LX50	Gopalan, Venkatraman	<b>MATERIALS SCIENCE CAMPAIGN:</b> Fluctuations, Emergence and Dynamics of Complex Topological Superstructures by Design	XPP
P179	Cohen, Aina	Understanding the RNA maturation machinery of SARS-CoV-2: visualizing the acutely radiation sensitive Nsp10 and Nsp16 complex in action.	MXF
P183	Pollack, Lois	<b>PCS:</b> Determining nucleic acid structures using WAXS	MXF
P185	Fromme, Petra	<b>RAPID ACCESS:</b> Dynamic studies of the RNA cleavage and inhibition of the SARS-CoV-2 (Covid19) enzyme NendoU by time-resolved serial femtosecond crystallography	MXF
P186	Paulraj, Lourdu Xavier	<b>PCS:</b> Femtosecond Imaging of Giant-Hemeprotein with XFEL Pulses	CXI
P196	Gilbert, Nathaniel	<b>PCS:</b> Conformational States of Human 5-Lipoxygenase: a Peripheral Membrane-Binding Protein that Initiates the Synthesis of Leukotrienes	MXF
P198	Lu, Yi	<b>PCS:</b> Understanding Heme-copper oxidases by using XRD of engineered myoglobin at room temperature	MXF
P199	Liu, Aimin	<b>PCS:</b> Structural Characterization of Novel On-Pathway Reaction Intermediate(s) during CYP121 Catalysis	MXF
P201	Brewster, Aaron	<b>PCS:</b> Small molecule structural studies of calcium carbonate biomaterials	CXI
P203	Pollack, Lois	<b>PCS:</b> A COVID-19 target: crystallographic studies of Glutaminase C with small molecule inhibitors	MXF
P204	Zouni, Athina	<b>PCS:</b> Monitoring the ultrafast structural dynamics coupled to charge separation in photosynthetic reaction centers: Why are photosynthetic reaction centers so efficient?	
P205	Alonso-Mori, Roberto	Using Ultrafast Fe K-Beta X-ray Emission to Explore the Role of Bridging Dithiolate Moieties in the Electronic and Geometric Structure of [FeFe]-Hydrogenase Active Site Model Complexes	MXF
P207	Pollack, Lois	<b>PCS:</b> Determining nucleic acid structures using WAXS	CXI
P208	Lane, Thomas	<b>PCS:</b> How does photolyase repair DNA?	CXI
P209	Yu, Edward	<b>PCS:</b> Serial Femtosecond Crystallography Studies of the Mycobacterial MmpL3 Lipid Transporter	MXF
P211	Gilbert, Nathaniel	<b>PCS:</b> Conformational States of Human 5-Lipoxygenase: a Peripheral Membrane-Binding Protein that Initiates the Synthesis of Leukotrienes	CXI
P213	Cherezov, Vadim	<b>RAPID ACCESS:</b> GPCR structure determination by serial femtosecond crystallography in lipidic cubic phase.	MXF
P214	Ros, Alexandra	<b>RAPID ACCESS:</b> Droplet Injection for Time-Resolved Macromolecular Crystallography with Minimal Sample Consumption	MXF
P216	Schriber, Elyse	<b>RAPID ACCESS:</b> Structure Determination of Crystalline Hybrid Coordination Polymers by Serial Femtosecond Crystallography	
X426	Coffee, Ryan	Spooktroscopy enhanced resonant Auger maps of excited NO2	TMO
X437	Nagler, Bob	MXI commissioning for photon energies 12keV to 24keV	MEC
X439	Hansson, Conny	Studying the performance of epix10k and MMPAD detectors using high-Z sensors	CXI
X440	Chollet, Matthieu	XCS LODCM upgrade commissioning	XCS
X444	Seaberg, Matthew	CXI Integrated Wavefront Sensor Commissioning	CXI
X446	Song, Sanghoon	Split and delay system optimization and optics characterization	XCS
X447	Sato, Takahiro	Commissioning of standard polarization switch platform for pump&probe experiments	XPP
X454	Lin, Ming-Fu	Soft X-ray Photon Spectrometer at TMO and its applications on gaseous water	TMO
X456	Hart, Philip	High-rate tender x-ray detector and LCLS-II integration test	ChemRIXS
X457	Cryan, James	Time-Domain Characterization of New Attosecond Soft X-ray Modes at the LCLS	TMO
X459	Hunter, Mark	Droplet on Demand testing and characterization for crystals and SAXS/WAXS measurements	MXF
X460	Wu, Juhao	Thermal-Mechanical-Optical Effects for Crystal Optics under High Repetition Rate Operation	XPP
X461	Aquila, Andrew	Stimulated X-ray Raman Scattering	CXI
X470	Alonso-Mori, Roberto	Development of Polycapillary Optics for XAS measurement of Extremely Dilute Solutions. R&D Project	XPP
X471	Forbes, Ruaidh	Tracing charge transfer dynamics with sub 10 femtosecond resolution	TMO
X473	van Driel, Tim	Ultrafast water dynamics studied with the best achievable time-resolution using hollow core fiber compressed laser pulses	XCS
X474	Sun, Yanwen	Probing transient nonequilibrium inhomogeneity with split-pulse XPCS	XPP
X475	van Driel, Tim	Automatic jet tracking for the liquid standard configuration setups	XCS
X480	Wang, Hui	XSVS and XPCS of Dynamic Polymer Networks	XCS
X489	Alyssa Prinz	Safety Collimator and Stopper Material Damage Studies	XPP
X533	Song, Sanghoon	XRT Spectrometer Commissioning	XCS
X534	van Driel, Tim	Automatic jet tracking for the liquid standard configuration setups	CXI