

LCLS Run 14 Schedule

Ver 3: 11/8/16

8/1/2016	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
	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	Wed
Day										LO35		X114 SPI						X115		LO58 Kong					LO63 Staub		LN34 Westenhoff				
Day																		LM95 Wang		LN17 Cherezov								LO47 Pollack			
Day																		PCS	PCS	PCS	PCS	PCS									
Night										PCS		LO46 Chen						LN23 Lee				DD			LO08 Watk.	LO63	LO08 Watkins				

9/1/2016	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
	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		LN22 Trippel								MD	LN47 Levantino	LO26			X116	LO66 Ihee						LO30 Henighan				X118				LN45 Reis
Day										LN50 Schmidt							LN60 Brown					LN83 Kern								LM93 Orvil.
Day																	PCS	PCS	PCS											
Night		LN41 Cammarata									LO26 Bolme					LO64 Wark														LO14 McBr.
Night																							X117	IH	IH	IH				LO14 McB.

10/1/2016	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	LN45 Reis			X119				LO56 Foerst						LN04 Kluge							LN84 Yachandra							LO59 Durr		X123	
Day	LM93 Orvil.							LO20 Schlichting																							
Day								PCS	PCS	PCS	PCS																				
Night	X118	LM93	X119				LN54 Wall							LM98 Perakis							X120		X121				X122	LO59	X123		

11/1/2016	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	X123			LF63 Marjoribanks				PCS			LN38 Hekstra						LL74 Mara		X132			LN94 Zast.				LO39 Porer		X111		
Day								LN78			LN11 Chapman		PCS														X126			
Day																														
Night			LN08 Bostedt								LN73 Bergmann					X124	X125					LN94				LN53 Pardini				

12/1/2016	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		LN96 Khalil					X107	LN61 Lee					X128					X129													
Day													LO19 Thompson		X130																
Day																X131		IH													
Night		X127						PCS	LN24 Rousseau	LO48 Nagler		X129		LO40 Lee																	
Night															IH	PCS			PCS	IH											

AMO
SXR
XPP
XCS
MFX
CXI
MEC

Day	9 am - 9 pm
Night	9 pm - 9 am

<u>Proposal #</u>	<u>Instrument</u>	<u>Spokesperson</u>	<u>Title</u>
LN73	CXI	Bergmann, Uwe	Stimulated X-ray emission in transition metal complexes
LO26	MEC	BOLME, CYNTHIA	Concurrent x-ray imaging and diffraction from shock-driven Richtmyer-Meshkov instabilities
LN08	AMO	Bostedt, Christoph	Mapping the electronic to nuclear relaxation of a molecular core-hole state
LN60	CXI	Brown, Michael	Time-Resolved Wide-Angle X-Ray Scattering Investigation of Rhodopsin Activation
LN41	XPP	CAMMARATA, MARCO	Ultrafast myoglobin active site dynamics
LN11	MFX	CHAPMAN, HENRY	Macromolecular Imaging Using Disordered Crystals
LO46	XPP	CHEN, LIN	Visualization of Electronic and Molecular Structural Coherence in Transition Metal Complexes and Investigating Their Roles in Photochemistry by Ultrafast X-Ray Transient Scattering and Spectroscopy
LN17	CXI	CHERZOV, VADIM	Femtosecond Crystallography of G protein-Coupled Receptors in Lipidic Cubic Phase
LO59	SXR	DURR, HERMANN	Is there a superdiffusive magnetic moment enhancement in ferromagnetic iron?
LO56	XPP	Foerst, Michael	Non-equilibrium molecular distortions and light-induced superconductivity in K3C60
LN38	XPP	Hekstra, Doeke	Direct measurement of protein dynamic architecture using pulsed electric fields
LO30	XPP	Henighan, Tom	Electron-Phonon and Phonon-Phonon Coupling in Bismuth Telluride
LO66	XPP	IHEE, HYOTCHERL	Tracking non-equilibrium structural dynamics of heme proteins using femtosecond X-ray solution scattering
LN83	MFX	KERN, JAN	Structure and Mechanism of Redox-Active Heteronuclear Metalloenzymes: X-ray Spectroscopy and Crystallography under Physiological Conditions
LN96	SXR	Khalil, Munira	Probing Electron Density Motion in Real Time across a Donor-Bridge-Acceptor Interface with Femtosecond Iron L-edge X-ray Absorption Spectroscopy
LN04	MEC	Kluge, Thomas	Probing of Complex High-Intensity Laser-Plasma Interaction with SAXS
LO58	XPP	Kong, Quingyu	Tracking Chemical Bond Breakage in the Photofragmentation of Triruthenium Dodecacarbonyl Using Femtosecond X-ray Solution Scattering
LO40	MEC	Lee, Hae Ja	Accessing the otherwise inaccessible: Phase behavior of organic molecular crystals under shock compression through ultrafast diffraction
LN23	SXR	Lee, Jun-Sik	Time-resolved scattering study of the surprisingly uncoupled Mn ³⁺ -Mn ⁴⁺ valence states under antiferromagnetic order in near half doped bilayer LSMO
LN61	XCS	LEE, WEI-SHENG	First Investigation of the Anisotropy of the Field-Induced CDW in YBCO at High Magnetic Field
LN47	XPP	Levantino, Matteo	Exploring ultrafast protein elastic response
LL74	XPP	Mara, Michael	Ultrafast Fe K β X-ray Emission Spectroscopy of Ferric Cytochrome c: Relating Changes in Spin State and Oxidation State to Function
LF63	MEC	Marjoribanks, Robin	Continuum lowering and ionization shifts in laser-driven nanowire targets
LO14	MEC	McBride, Emma	The Simultaneous Combination of Phase Contrast Imaging and In situ X-ray Diffraction from Shock-Compressed Matter
LN78	MFX	Meents, Alke	Rapid protein structure determination using high-throughput fixed-target serial crystallography
LO48	MEC	Nagler, Bob	Investigating the role of slip and twinning in shock-compressed matter

LM93	MXF	ORVILLE, ALLEN	Structure and Function of Photosensory Proteins by Serial Femtosecond Crystallography (SFX) and Time-Resolved SFX
LN53	CXI	Pardini, Tommaso	First measurements with the MEL-X to study high-intensity dynamical diffraction in bulk and thin-layer single crystal silicon via x-ray pump/x-ray probe
LM98	XCS	Perakis, Foivos	X-ray Photon Correlation Spectroscopy of Supercooled Water: Resolving Femtosecond Liquid Dynamics in Reciprocal Space
LO47	CXI	Pollack, Lois	Using Time-Resolved Serial Femtosecond Crystallography to Reveal the Details of Transcription
LO39	XPP	Porer, Michael	Dynamics of a purely structural phase transition
LN45	XPP	REIS, DAVID	nonlinear core-level spectroscopy with atomic-scale resolution
LN24	MXF	Rousseau, Denis	Capturing Biology in Action: Oxygen Intermediates of Cytochrome c Oxidase
LO35	MXF	Scheerer, Patrick	Radiation-damage free ultra-high resolution structure of a O ₂ -tolerant membrane-bound [NiFe]-hydrogenase by fixed target Serial Femtosecond X-ray crystallography
LO20	CXI	Schlichting, Ilme	Large-scale functional motions in hemoglobin monitored by TR-SFX
LN50	CXI	Schmidt, Marius	Time-Resolved Serial Femtosecond Nanocrystallography to Establish Structure-Based Enzymology at the LCLS
LO63	SXR	STAUB, URS	Reversing ferroelectric polarization in a multiferroic on ultrafast timescales
LO19	MXF	Thompson, Michael	Generalizing Time-resolved Crystallography: Temperature-Jump Studies of a Dynamic Enzyme
LN22	AMO	Trippel, Sebastian	Charge transfer and photofragmentation in hydrogen bonded indole-water ¹ clusters upon site-specific x-ray photoionization
LN54	SXR	WALL, SIMON	Time resolved soft-X-ray holography of the laser-induced insulator-metal transition in VO ₂
LM95	CXI	Wang, Yun-Xing	Solving the phase problem for RNA microcrystals using position-selective labeling
LO64	SXR	WARK, JUSTIN	Exploring the X-Ray Absorption Properties of Ge in the Density-Temperature Region Relevant to NIF Implosions
LO08	MEC	Watkins, Erik	Evolution of the structure of nanocarbon in high pressure/temperature chemical reactions
LN34	XPP	Westenhoff, Sebastian	Visualizing bond-cleavage and -formation in the photodissociation of diiodomethane with femtosecond time-resolved WAXS
LN84	MXF	Yachandra, Vittal	Taking Snapshots of O-O Bond Formation in Photosynthetic Water-Splitting Using Simultaneous X-ray Emission Spectroscopy and Crystallography
LN94	MEC	ZASTRAU, ULF	High-resolution measurement of the momentum-dependent plasmonic excitations of 1Mbar matter