

LCLS Run 16 Schedule

Ver 4: 02/12/18

11/1/2017	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																										X326				LR25
Night																														LR12

12/1/2017	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	LR25 Barillot							LR33 Ravasio						LR40 Abbamonte				X300 Heimann													
Night						LS37 Reis								LS53 Ranganathan																	
Night			LR30 Schm.			LS23 Cherezov			LQ98 Standfuss					LR28 Liu																	
Night	LR12 Gorm.	LS29 Liu				LS29 Liu				PCS	PCS				PCS	PCS	PCS		LS32 Sandberg												

1/1/2018	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											LR81 Yano								X277	LR04	X277 Walter				LS65 Turner					DD	
Night											X282 Coffee		X304 Turn.					X304 Turn.		LR04 Mara					X296 van Driel						

2/1/2018	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		
	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		LR66 Kim						LS05 Cryan		LR49 Parchenko						LR76	PCS	LR76	LS50					LR00 Perakis						
Day		LR23 van Thor																							LR38 Weik					
Day			PCS	PCS																					PCS	PCS	PCS	PCS		
Night		LS21 Thom.	LR23					X295 Glow.	LS05 Cryan	X295 Glow.					LS50	LR76	LS50	LR76							LQ91 Beg					

3/1/2018	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	LR13 Iwan								LS25 Nelson						LS08 Fromme					PCS				LS64 Gauthier				X287	LR58 McGrane		
Day	LR83 Minitti								X303 Zhu																						
Night																										LS61 Cao			LS61 Cao		
Night	LR15 Wall								LS33 Cavalieri						LR29 Stamm									LS58 Fuller	LR50 Conr.		LR50 Conr.	X287 Seab.			

4/1/2018	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
	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	LR58			LR17 Chapman						LR07 Schmitt				LS24	LR63	LS24	LR63	LS24	LR09 Lee						X310	LR84 Schlichting				
Day														LR67		LR67		LR67												
Night																				LS24										
Night	X287		LR42 Poll.	LS04 Lee		X269 Hunter			LR07	LR63	LS60	LR63	LS60	LR63	LS60	LR63	LS60	LR67	LS60 Marj.	LR09				X301 Moeller		LS49 Sauter				

5/1/2018	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
	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	Thu
Day			LS11 Trigo							LR93 Gorkhovor					DD	LR01 Youn.	LR74	LR01 Young					SU	SU	LS10 Yach.	X288 Seab.	LR21	X288			
Day			LS00 Orville			PCS																		LR32 Nojiri		LR32 Nojiri		LS10			
Night										LR78 Zhang																					
Night			LS48 Kunnus						X311 Hart	LS34 Scheerer	PCS				LS66 Galtier			LR74 Paul.						LS26 Seuring	PCS	LS10 Yach.	X290 Liang				

6/1/2018	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
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Tue	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Day	LR21 Rosmej																													
Night	X290 Liang																													

AMO SXR XPP XCS MFX CXI MEC

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

<i>Proposal #</i>	<i>Instrument</i>	<i>Spokesperson</i>	<i>Title</i>
LQ91	MEC	Beg, Farhat	Study of proton stopping and energy deposition in warm dense matter
LQ98	CXI	Standfuss, Joerg	Structural dynamics of a light-driven ion pump
LR00	XCS	Perakis, Foivos	Ultrafast molecular diffusion of supercooled water probed by two-pulse x-ray photon correlation spectroscopy
LR01	SXR	Young, Linda	Transient spectroscopy in the water window: Dynamics and coherence in strong-field ionized water
LR04	XCS	Mara, Michael	Ultrafast X-ray Spectroscopy of Ferric Cytochrome c
LR07	SXR	Schmitt, Thorsten	Ultrafast dynamics of the short ranged antiferromagnetic fluctuations in CuGeO3 by laser pump - RIXS probe
LR09	SXR	Lee, Wei-Sheng	Studying orbitals, phonons, and electron-phonon coupling in photo-excited superconducting K3C60 via time-resolved RIXS
LR12	MEC	Gorman, Martin	Pressure-induced complexity in dynamically compressed calcium
LR13	XCS	Iwan, Bianca	Electronic charge transfer in dielectrics subjected to to strong asymmetric laser fields
LR15	SXR	Wall, Simon	Nanoscale imaging of dynamic phase separation with resonant soft X-ray holography.
LR17	MFX	Chapman, Henry	Atomic resolution incoherent diffractive imaging
LR21	MEC	Rosmej, Frank	Solving solar opacity problems
LR23	CXI	Van Thor, Jasper	Optical control of biological photoisomerisation using TR-SFX
LR25	AMO	Barillot, Thomas	Site specific ultrafast charge dynamics measured by Auger spectroscopy
LR28	CXI	Liu, Haiguang	Time resolved dynamics study of chloride ion pumping rhodopsin by SFX
LR29	SXR	Stamm, Christian	Real-time detection of transient spin currents and orbital momentum dynamics in fs laser-excited magnetic bilayers
LR30	CXI	Schmidt, Marius	The Z- to E-isomerization in Bacteriophytochromes
LR32	XCS	Nojiri, Hiroyuki	Structural and Spectroscopic Studies of the Transition Dynamics of Magnetic Field Induced Spin State Transition in [Mn(taa)] Complex by using Strong Pulsed Magnetic Fields
LR33	MEC	Ravasio, Alessandra	Structural study of silicates under high pressures relevant for planetary mantles
LR38	CXI	Weik, Martin	Visualization of excited state chromophores in rationally designed variants of a reversibly switchable fluorescent protein by femtosecond time-resolved SFX
LR40	SXR	Abbamonte, Peter	Higgs mode spectroscopy of intertwined orders in La2-xBaxCuO4
LR42	AMO	Pollack, Lois	Visualizing the ion partners of nucleic acids
LR49	SXR	Sergii, Parchenko	Transient spin dynamics during the ultrafast spin-reorientation transition in orthoferrites
LR50	MFX	Conrad (Smith), Chelsie	Time-Resolved Studies of Purine Riboswitches
LR58	SXR	Mcgrane, Shawn	X-ray absorption spectroscopy (XAS) of chemical dynamics in shocked organic energetic materials
LR63	XCS	Foglia, Laura	Core-resonant Coherent Raman Scattering

LR66	XCS	Kim, Hyunjung	Dynamics of Polymeric Glasses in Atomic Scale
LR67	CXI	Qiao, Shenglan	Use of time resolved correlated x-ray scattering to measure conformational changes induced in the G alpha subunit of the heterotrimeric G-protein by the chaperone protein Ric-8A
LR74	CXI	Paulraj, Lourdu Xavier	Coherent Diffractive Imaging of 3D DNA-origami Molecular Scaffolds
LR76	CXI	Gruenbein, Marie	Shock wave damage in SFX experiments
LR78	XPP	Zhang, Jingdi	Local Structural Correlations in Photoswitchable Manganites
LR81	XCS	Yano, Junko	Time-Resolved X-ray Absorption Spectroscopy of Photosystem II at Room Temperature
LR83	CXI	Miniti, Michael	Ultrafast Structural Dynamics: Nuclear Motions Reveal Photochemistry in Action
LR84	CXI	Schlichting, Ilme	Radiation Damage to Electron-Rich Clusters in Biomolecules
LR93	AMO	Gorkhover, Taisia	DIRECT IMAGING OF TRANSIENT X-RAY SCATTERING CROSS SECTIONS DOWN TO THE ATTOSECOND TIMESCALE
LS00	CXI	Orville, Allen	Time-Resolved Serial Femtosecond Crystallography (tr-SFX) of Photosensory Proteins: Photoisomerization through Protein Conformational Switching Events
LS04	CXI	Lee, Hae Ja	Creation and measurement of keV solid-density plasma isochorically heated by nano-focused hard X-ray
LS05	AMO	Cryan, James	Demonstration of Impulsive Stimulated Electronic Raman Scattering
LS08	MFX	Fromme, Petra	The dynamics of light driven reactions in Photosynthesis studied by fixed target time resolved serial femtosecond crystallography and XES spectroscopy
LS10	MFX	Yachandra, Vittal	Taking Snapshots of O-O Bond Formation in Photosynthetic Water-Splitting Using Simultaneous X-ray Emission Spectroscopy and Crystallography
LS11	XPP	Trigo, Mariano	Diffuse x-ray scattering probe of anharmonicity in THz-driven SrTiO3 and improper ferroelectrics
LS21	MFX	Thompson, Michael	Exploring the Role of Enzyme Dynamics in the Evolution of Catalytic Function using Time-Resolved Temperature Jump Crystallography
LS23	CXI	Cherezov, Vadim	Femtosecond Crystallography of G protein-Coupled Receptors in Lipidic Cubic Phase
LS24	XPP	Wen, Haidan	Ultrafast coherent control of polar vortices by intense terahertz fields
LS25	XPP	Nelson, Keith	Measuring acoustic phonon lifetime in SiGe alloys across the Brillouin zone by probing optically induced squeezed phonons by x-ray thermal diffuse scattering
LS26	CXI	Seuring, Carolin	Imaging of aligned amyloids at high-repetition rate on low-background graphene
LS29	CXI	Liu, Wei	Structural studies of signaling through G proteins by femtosecond free-electron X-ray laser
LS32	MEC	Sandberg, Richard	Rapid 3D nanoscale characterization of materials with X-ray FEL ptychography
LS33	AMO	Cavalieri, Adrian	Attosecond interrogation of relaxation dynamics in highly excited atoms and molecules
LS34	MFX	Scheerer, Patrick	Structure and Mechanism of Oxygen-Tolerant and -Sensitive Hydrogenases: X-ray Spectroscopy and Crystallography under Physiological Conditions
LS37	XCS	Reis, David	Lattice dynamics using x-ray split and delay
LS48	SXR	Kunnus, Kristjan	Probing excited state surfaces governing the intra-molecular charge transfer processes in Fe-centered molecular photosensitizers with femtosecond resonant inelastic X-ray scattering

LS49	MFX	Sauter, Nicholas	Metalloprotein Oxidation States Spatially Resolved by Anomalous Dispersion Crystallography
LS50	MFX	Rousseau, Denis	Capturing Biology in Action: Reactive Catalytic Intermediates in Cytochrome c Oxidase
LS53	XPP	Ranganathan, Rama	The mechanics of permeation and selectivity in an ion channel
LS58	XCS	Fuller, Franklin	Time Resolved XFEL Stochastic Spectroscopy of Photo-Catalyzed Reactions
LS60	MEC	Marjoribanks, Robin	Continuum lowering and ionization shifts in matter heated by x-rays and intense laser fields
LS61	XPP	Cao, Yue	Ultrafast melting of charge density wave domains in 1T-TaS ₂
LS64	MEC	Gauthier, Maxence	In Situ X-ray Diffraction from Isochoric Proton-heated Warm Dense Silica
LS65	SXR	Turner, Joshua	Fluctuating stripes for high-temperature superconductivity?
LS66	MEC	Galtier, Eric	Detailed measurement of population kinetics and transition rates in NLTE plasmas