LCLS Run 17 Schedule

Ver 3: 11/09/18

8/1/2018	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
	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																														X349 Cosl.	
Night																															

Labor Day Weekend

9/1/2018	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
	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	X328 Naka.		X331		X332 Carb.		LU20 Reid			LT23		LU20	LU56	LT46	LU56	LT46 Sawada					LU58	LT56	LU58	LT56	LU58		LT69 Schmitt			
Night																														
Night				X327 Feng		LU42 Barn.		LT23 Meyers				LU20	LU56	X341	LU56	X341 SPI					LT56	LU58	LT56	LU58		LT14 Martin			LT69	

Columbus Day Weekend

10/1/2018	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	X350		LU46 Vilesov						LU05 Berg.		LT57 Lee			X353 Hart				LT94 Kluge					X361		LS79 Sension				X330 Cryan		
Night																			LT77 Hruszkewycz												
Night													LS93 Jarnac								LS87 Liu										
Night	X350		LT24 Lindenberg					LT57 Lee		LU05	LT57		LT30 Erb				LU18 Brown				X345 Hunter					X332 Carb.		LS79	LU48 Garcia-Es.		

Std Time

Thanksgiving

11/1/2018	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
	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	X330		X340	LS80 Lebolloch					LT98 Johnson						P141	LT33 Evans						X356			X347	LU24		LU24 Singer		
Day				LS83 Cherezov			LU45		LU44 Rousseau			LT75	vdB			X360 Sun						LT59	LU59	LT59 Weik		LU34		LU34 Yachandra		
Day				X345 Hunter																				X345 Hunter						
Night																														
Night		X340		LU57 Sandberg			LU00		LU00 Cryan			X329			LT00 Vinko							LT70 Bostedt					X347	LS97 Dem.		

12/1/2018	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
	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	LU34	LT87 Vanko				X348 Dakovski			LU50 Kern	LT40 Chen					LU52 Witte			X335													
Day	X374 Zhu		X373 Trigo						X376	X377 - Chollet			X378																		
Night						X375 Aquila X376								X378 Zhu																	
Night	LS97	LT89 Briggs				LT51 Vester			LS84 Appel			LU50	P143	LT43 Fromme																	

AMO SXR XPP XCS MFX CXI MEC

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

Proposal #	*Instrument*	*Spokesperson*	*Title*
LS79	XPP	Sension, Roseanne	Using Polarized fs-XANES as a Probe of Structural and Electronic Dynamics in Coenzyme B12 and Analogs
LS80	XCS	Lebolloch, David	Observation of a traveling soliton lattice in sliding charge density wave systems
LS83	CXI	Cherezov, Vadim	Femtosecond Crystallography of G protein-Coupled Receptors in Lipidic Cubic Phase
LS84	MEC	Appel, Karen	Structure of SiO2 melts at ultrahigh pressures
LS87	CXI	Liu, Haiguang	Time resolved dynamics study of chloride ion pumping rhodopsin by SFX
LS93	XPP	Jarnac, Amelie	Irreversible phase transition between InSb-I and InSb-III crystalline phases by an ultra-short laser-induced pressure pulse: diffraction study on picosecond timescales
LS97	CXI	Demirci, Hasan	Structural Dynamics of Ribosomal Decoding Complexes
LT00	SXR	Vinko, Sam	Imaging electronic structure and valence electron rebinding in dense plasmas via resonant inelastic x-ray scattering
LT14	CXI	Martin, Andrew	Probing 3D nanostructure of liquids and early-stage crystallization in the lipidic cubic phase
LT23	XPP	Meyers, Derek	Ultra-fast Magnetic Correlations at the brink of the Insulator-Metal threshold in Sr3Ir2O7
LT24	XPP	Lindenberg, Aaron	Light-induced structural distortions in lead-halide perovskites
LT30	MFX	Erb, Tobias	Time-Resolved SFX Studies to Understand CO2-Binding and Activation in Nature's most efficient CO2-fixing Enzyme: the Enoyl-CoA carboxylase/reductase CCR
LT33	XPP	Evans, Paul	Picosecond Formation Dynamics of an Optically Induced Metastable State in Ferroelectric Nanodomain Heterostructures
LT40	XCS	Chen, Lin	Investigating the Role of Molecular Structural Coherence in Photochemistry of Platinum Dimer Complexes by Time-Resolved X-ray Scattering
LT43	CXI	Fromme, Petra	Time-resolved XES and diffraction studies with short pulse duration on Photosystem II and Manganese model complexes
LT46	MEC	Sawada, Hiroshi	First femtosecond time-resolved measurements of short-pulse laser isochoric heating
LT51	XCS	Vester, Peter	Revealing the Ultrafast Dynamics and Hidden Symmetries During Ion-Release from a Transition-Metal Complex
LT56	SXR	Durr, Hermann	Controling electron correlations in NiO with intense femtosecond electric fields
LT57	XCS	Lee, Jun-Sik	Charge density wave in the clean limit: exploring the intrinsic high-field CDW in YBa2Cu4O8
LT59	CXI	Weik, Martin	Capturing structural intermediate states in a newly discovered photoenzyme by picosecond time-resolved SFX
LT69	SXR	Schmitt, Thorsten	Time-domain dynamics of the breathing-distortion in the photo-induced metal-insulator transition of NdNiO3 by laser pump - RIXS probe
LT70	AMO	Bostedt, Christoph	The hunt for the stimulated x-ray Raman signal – optical probing of non-linear x-ray processes
LT75	MFX	Van Den Bedem, Henry	Characterizing functionally important conformational dynamics of a radiation-sensitive enzyme
LT77	XCS	Hruszkewycz, Stephan	X-ray Correlation Spectroscopy of Atomic-Scale Dynamics in Liquids
LT87	XCS	Vanko, Gyorgy	Systematic mapping of the excited-state potentials and conical intersections in Fe-based functional molecules
LT94	MEC	Kluge, Thomas	Probing of Complex Ultra-Intense Laser-Plasma Interaction and Ionization with RCXD

LT98	XPP	Johnson, Steven	Ultrafast pathways of angular momentum transfer during ultrafast demagnetization
LU00	AMO	Cryan, James	Time-resolving correlated continuum electron and core-excited state wavepackets by photoemission streaking
LU05	CXI	Bergmann, Uwe	Measurement of seeded stimulated K-beta X-ray emission in Mn solutions
LU18	CXI	Brown, Michael	Time-Resolved Small and Wide-Angle X-Ray Scattering Investigation of Rhodopsin Activation
LU20	SXR	Reid, Alex	Is probe-before-perturb solid-state RIXS feasible?
LU24	XPP	Singer, Andrej	Photoinduced transition in a Mott insulator: mesoscale order and disorder
LU34	MFX	Yachandra, Vittal	Taking Snapshots of O-O Bond Formation in Photosynthetic Water-Splitting Using Simultaneous X-ray Emission Spectroscopy and Crystallography
LU42	MFX	Barnes, Christopher	Structural characterization of broadly-neutralizing antibodies bound to natively glycosylated HIV Envelope
LU44	MFX	Rousseau, Denis	Capturing Biology in Action: Visualizing Oxygen Intermediates of Cytochrome c Oxidase
LU45	CXI	Hohman, James	Collection of Microdiffraction patterns from hybrid inorganic-organic coordination polymers using serial femtosecond nanocrystallography
LU46	AMO	Vilesov, Andrey	Molecular self-assembly close to zero Kelvin
LU48	XPP	Garcia-Esparza, Angel	From solar energy to hydrogen via photocatalytic water splitting: understanding charge transfer at the nanoscale metal-semiconductor interface.
LU50	MFX	Kern, Jan	Chemical bond activation by high-valent reactive metal intermediates in heme and dinuclear non-heme systems: combined XES and XRD at room temperature
LU52	MEC	Witte, Bastian	Measurement of plasmon damping and conductivity in warm dense matter at pressures exceeding 1 Mbar
LU56	CXI	Zatsepin, Nadia	Femtosecond damage and dynamics
LU57	MEC	Sandberg, Richard	Rapid 3D nanoscale characterization of materials with X-ray FEL ptychography
LU58	XCS	Foglia, Laura	Core-resonant Coherent Raman Scattering
LU59	CXI	Schlichting, Ilme	Radiation Damage to Electron-Rich Clusters in Biomolecules
P141	CXI	Cascio, Duilio	Continuation of SFX structure determination of powerful toxins against mosquitos carrying the Zika and Dengue virus.
P143	MFX	Mcdonough, Michael	Room temperature resting state structures of an O2-activated non-heme Iron Metalloenzyme: Preparation for Studying High-valent Reaction Intermediates.

Proposal #	*Instrument*	*Spokesperson*	*Title*
X327	AMO	Yiping Feng (Sp)	Development of Soft X-ray Wavefront Sensor for L2SI
X328	MFX	Kazutaka Nakahara (Sp)	Wave8 Commissioning
X329	MFX	Mark Mckelvey (Sp)	ePix Prototype Testing w/Tender-Hard X-Rays
X330	AMO	James Cryan (Sp)	Angular Streaking with Attosecond Soft-X-Ray Pulses
X331	MFX	Sebastien Boutet (Sp)	Commissioning the new Rayonix 340 Detector for MFX
X332	AMO	Sergio Carbajo (Sp)	Laser Heater Transverse Shaping Commissioning Test I
X335	XCS	Matthieu Chollet (Sp)	Thin diamond characterization for multiplexing
X340	XPP	Alexander Britz (Sp)	Optimizing Femtosecond EXAFS at LCLS
X341	AMO	Andrew Aquila (Sp)	Sub-Nanometer Single Particle Imaging
X345	SSC	Mark Hunter (Sp)	Automated jet tracking for liquid jet experiments
X347	XCS	Tim Van Driel (Sp)	Comparing the newly available detectors for X-ray diffuse scattering
X348	SXR	Georgi Dakovski (Sp)	4-wave mixing with soft x-rays
X349	SXR	Giacomo Coslovich (Sp)	X-ray benchmark for an Arrival Time Monitor for the Pulsed-Fiber Timing System of LCLS-II
X350	XCS	Philip Hart (Sp)	Testing of Nanosecond Time-gated Multiframe Camera in Multibunch Science at LCLS
X353	SXR	Philip Hart (Sp)	Commissioning of RIXS CCD Detector
X356	XCS	Tim Van Driel (Sp)	Characterization of liquid sample delivery methods for XCS standard configuration
X360	XCS	Yanwen Sun (Sp)	Time-domain Inelastic X-ray Scattering via X-ray Speckle Visibility Spectroscopy
X361	SXR	Joshua Turner (Sp)	LCLSII detectors: ePix and vfCCD Prototype Testing w/Soft X-Rays on Quantum Solids
X368	XCS	Mark Hunter (Sp)	Skywalker testing and deployment for the HXR instruments
X373	XPP	Mariano Trigo	Lattice dynamics in titanates
X374	XPP	Diling Zhu	Improve general pump-probe scattering experiment performance including timing
X375	XPP	Andy Aquila	Mirror contamination mitigation test
X376	XPP	Takahiro Sato	High resolution spectrometer
X377	XPP	Matthieu Chollet (Sp)	Wavefront sensor, imaging, holography, grating test

X378	XPP	Diling Zhu	Hanbury Brown Twiss pulse duration measurement attempt