LCLS Operations Schedule October 2010-March 2011

During the first user-assisted commissioning rounds, we brought up 3 instruments: the AMO instrument was commissioned during the fall of 2009; the SXR instrument was commissioned during the Spring of 2010; and the XPP instrument began commissioning in June 2010 when the first hard x-rays were delivered. Additional instruments for CXI, XCS and MEC will be commissioned during subsequent user runs. For the current run, beam time has generally been allocated in 24 hours shifts or in alternating shifts 12 hours, depending on requirements to switch between instruments and experiments. Schedule weeks usually begin on Thursday, following machine development and repair days on Tuesday and Wednesday.

Note: Approved activites are listed below; see the schedule on the next page and the more detailed short-term machine schedule at https://slacportal.slac.stanford.edu/sites/lclscore_public/Program_Coordination_Published_Documents/LCLS-short-term-schedule.pdf

BL	Planned Activities	Prop#	Spokesperson/PI	POC
SXR	Capturing transient states in surface chemical reactions with electron spectroscopy (combined proposal)	L188/L189/L191/ L203/L204	Wurth, Wilfried	Schlotter
XPP	XPP Commissioning	L806	Fritz, David	Fritz
XPP	Single-shot wave-front sensing and optics metrology using a grating interferometer	L221	David, Christian	Cammarata
	In-House			
AMO	Molecular double core-hole photoelectron spectroscopy for chemical analysis	L166	Larsson, Mats	Bozek
XPP	All-optical manipulation of the polarization in perovskite ferroelectrics	L248	Lindenberg, Aaron	Fritz
SXR	Ultrafast Dynamics of Stripe Phase in Nickelates (La2-xSrxNiO4) and Cuprates (La2-xSrxCu0.99Fe0.01O4 and La1.8-xEu0.2SrxCuO4) via Mode-selective THz pump and Resonant X-ray Scattering Probe	L208	Lee, Wei-Sheng	Schlotter
XPP	X-ray / optical wave mixing : microprobing optical interactions	L233	Glover, Ernest	Fritz
AMO	Angle-resolved electron spectroscopy of laser-assisted Auger decay with few femtosecond X-ray pulses	L176	MD	Bozek
XPP	Ultrafast structural dynamics of bismuth under extreme photoexcitation	MD	Fritz, David	Fritz
SXR	Dynamics of electronic order in Complex solids: Extreme time resolutions and selective THz excitation	L205	Cavalleri, Andrea	Schlotter
XPP	Coherent X-ray Observation of Atomic Structure and Dynamics in Liquids and Glasses	L264	Stephenson, Gregory	Fritz
XPP	DESY-MPI-SLAC-ANL Proposal 'Detecting order in the disorder – investigating local symmetries in liquids and glasses via speckle correlation	L238	Gutt, Christian	Fritz
	In-House			
XPP	XPP Commissioning	L806	Fritz, David	Fritz
CXI	CXI Commissioning	L804	Boutet, S.	Boutet
	In-House			
XPP	Irreversible microscopic dynamics in strongly driven carbon	L235	Gregori, Gianluca	Cammarata
CXI	CXI Commissioning	L804	Boutet, S.	Boutet
SXR	Single-Shot X-ray Imaging of All-Optical Magnetization Reversal	L197	Scherz, Andreas	Schlotter
XPP	Mitigation of Radiation Damage in Macromolecular Crystallography Experiments	L263	Soltis, Michael	Fritz
XPP	Deterministic Protein Motions: Atomically Resolving Ultrafast Structure-Function Correlations in Biological Systems (Combined Proposal)	L234/L253/L260	Neutze, Richard	Cammarata
CXI	CXI Commissioning	L804	Boutet, S.	Boutet
Dec 18-	Jan 2	**Winter Closure**		
Jan 6-1	Start-up			
CXI	CXI Commissioning	L804	Boutet, S.	Boutet

:	AMO	Imaging time-resolved molecular rearrangement in the photo-electron angular distribution of laser-aligned molecules	L171	Rouzee, Arnaud	Bostedt
	XPP	X-Ray Studies of Strength in Laser-Shocked Nanocrystalline Foils and Shock-Induced Melt	L268	Wark, Justin	Fritz
:	AMO	From Small to Large: Coulomb Explosion Imaging of Molecular Fragmentation and its Implications for Coherent Diffractive Imaging	L172	Rudenko, Artem	Bostedt
	XPP	X-Ray Split-Pulse Experiments	L237	Gruebel, Gerhard	Fritz
:	AMO	Structure Of Giant Viruses	L222	Hajdu, Janos	Bostedt
	XPP	X-Ray Split-Pulse Experiments	L237	Gruebel, Gerhard	Fritz
Feb 3-8		Towards Femtosecond X-ray Imaging of biological samples – Investigations of radiation damage	L198	Schlichting, Ilme	Bostedt
		The Creation and Diagnosis of High-Pressure Off-Hugoniot States	L225	Shepherd/ Lee, Richard W.	Cammarata
I	SXR	Hi LIGHT Highly Charged Ions in the Ultrabrilliant Light of the LCLS	L164	Crespo Lopez-Urrutia, Jose	Schlotter
	XPP	Femtosecond Protein Nanocrystallography	L220	Boutet, Sebastien	Cammarata
	CXI	CXI Commissioning	L804	Boutet, S.	Boutet
I	XPP	Femtosecond Protein Nanocrystallography	L220	Boutet, S.	Cammarata
	CXI	CXI Commissioning	L804	Boutet, S.	Boutet
I	XPP	Search for the origin of water's anomalies in "No-man's Land"	L254	Nilsson, Anders	Cammarata
	CXI	CXI Commissioning	L804	Boutet, S.	Boutet
I	XPP	Structure and Dynamics of Electrosprays	L218	Bogan, Michael J.	Cammarata
	CXI	CXI Commissioning	L804	Boutet, S.	Boutet