

## Scheduling LCLS Run 7

Ver 4: 12/11/12

Jan 13	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
Day	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
Night														Photon MD		IH	IH	L746 Nilsson							L648 Doniach	IH	IH				

Feb 13	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	
Day	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	
Night	L662 Bressler		IH			IH	L767 Seeman							L702 Gray									L723 Lee					L733	L785

Mar 13	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
Day	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
Night	L733 McMahon						IH-Sci Lemke2							IH-Sci Messerschmidt								L766 Schuessler-L						L666 Cammarata			

Apr 13	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
Day	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
Night				L780 Wark							L691 Frank							L722 Lee								L756 Reid				

May 13	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
Day	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
Night		L730 Maia							L710 Hill							L755 Ravasio								IH-Com Bozek					L660		

Jun 13	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
Day	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
Night	L660		IH			L748 Orville						L711 Hogue		Feng						L742 Murphy				IH-Sci Turner		IH	IH	IH		

Jul 13	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
Day	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
Night	IH			L639			IH-Sci Minitti				L695 Gaffney																				

AMO	SXR	XPP	XCS	CXI	MEC
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Day	9 am - 9 pm
Night	9 pm - 9 am

<u>Instr.</u>	<u>Prop #</u>	<u>Title</u>	<u>Spokes Person</u>
XCS	L637	A grating-based delay line for x-ray pump x-ray probe experiments in the femtosecond range	DAVID, CHRISTIAN
XPP	L639	Coherent optical phonons in laser-excited Bi – once and for all!	SOKOLOWSKI-TINTEN, KLAUS
CXI	L648	Structure of ferrihydrite nanoparticles probed by correlated x-ray scattering	DONIACH, SEBASTIAN
AMO	L649	From a bound molecule to an isolated atom: internuclear-distance resolved Auger spectroscopy	RUDENKO, ARTEM
XPP	L650	Structure Determination of Metalloproteins using Femtosecond Crystallography	SOLTIS, S MICHAEL
SXR	L657	Following a complete chemical reaction in real time	BEYE, MARTIN
CXI	L659	Climate Change Aerosol Dynamics I: Single Particle Studies of Homogeneous/Heterogeneous Nucleation with the CXI Nanofocus	BOGAN, MICHAEL
CXI	L660	Exploration of the usefulness of seeded beam for serial femtosecond crystallography	BOUTET, SEBASTIEN
XPP	L662	Solvation Dynamics: The very first steps	BRESSLER, CHRISTIAN
XPP	L666	Ultrafast protein dynamics in solution	CAMMARATA, MARCO
CXI	L669	De novo phasing of diffraction of native proteins	CHAPMAN, HENRY
CXI	L672	Femtosecond nanocrystallography of G protein-coupled receptors in lipidic cubic phase	CHERZOV, VADIM
AMO	L675	Spectrogram x-ray/optical cross-correlation: deconvolving carrier dynamics for pulse shape retrieval	COFFEE, RYAN
XPP	L677	Photoinduced phase transition molecular crystals : ultrafast, coherent and cooperative response	Collet, Eric
AMO	L684	Measuring Auger lifetime chemical sensitivity in the time domain	DOUMY, GILLES
CXI	L691	Advanced Imaging of 2-D Protein Crystals	FRANK, MATTHIAS
SXR	L695	Studying Charge Transfer Excited states in Coordination Chemistry with Atom Specific Core Hole Spectroscopy	GAFFNEY, KELLY
XPP	L702	Electric-field-driven pure electronic-structure switching for next-generation ultrafast devices	Gray, Alexander
MEC	L708	Low frequency structural dynamics of warm dense matter	HASTINGS, JEROME
XPP	L710	Ultrafast Control of the Magnetic Hamiltonian in 5d Iridates	HILL, JOHN
CXI	L711	Molecular Structures from Correlated Fluctuations in Fast Solution Scattering	HOGUE, BRENDA
XPP	L722	Interplay between Antiferromagnetic and Structural Phase Transitions in Photo-excited Iron Pnictide BaFe <sub>2</sub> As <sub>2</sub>	LEE, WEI-SHENG

<u>Instr.</u>	<u>Prop #</u>	<u>Title</u>	<u>Spokes Person</u>
<b>SXR</b>	<b>L723</b>	Lattice-Driven Stripe Dynamics via Mode-selective Mid-IR Pump and Resonant X-ray Diffraction Probe	<b>LEE, WEI-SHENG</b>
<b>SXR</b>	<b>L728</b>	'Orbital' electronics in 2D materials	<b>Mack, Stephanie</b>
<b>XCS</b>	<b>L729</b>	Using a seeded FEL beam to access atomic-scale dynamics and the local structure of glasses	<b>Madsen, Anders</b>
<b>CXI</b>	<b>L730</b>	COHERENT DIFFRACTIVE IMAGING OF SINGLE RNA POLYMERASE II MOLECULES AND COMPLEXES AT THE LCLS	<b>MAIA, FILIPE</b>
<b>XPP</b>	<b>L731</b>	Nonlinear lattice dynamics during light induced superconductivity	<b>Mankowsky, Roman</b>
<b>MEC</b>	<b>L733</b>	Ultrafast Diffraction Studies of Phase Transformation Kinetics in Dynamically-Compressed Bismuth	<b>McMahon, Malcolm</b>
<b>AMO</b>	<b>L742</b>	Time-Resolved Dissociation Dynamics of Endohedral Ho <sub>3</sub> N@C <sub>80</sub> Fullerenes Following Ho(3d) Photoionization Using a Novel X-Ray Split and Delay Instrument	<b>Murphy, Brendan</b>
<b>CXI</b>	<b>L746</b>	Concurrent Study of Water's Structure and Ice Nucleation in "No Man's Land"	<b>NILSSON, ANDERS</b>
<b>XPP</b>	<b>L748</b>	An acoustic droplet injector for serial femtosecond crystallography experiments	<b>ORVILLE, ALLEN</b>
<b>AMO</b>	<b>L751</b>	Initiating New Chemistry with Short X-ray Pulses: Multi-configuration Wavepackets	<b>Petrovic, Vladimir</b>
<b>MEC</b>	<b>L755</b>	Investigation of phase transitions of iron and iron alloys under extreme dynamic compression with XANES measurements	<b>Ravasio, Alessandra</b>
<b>SXR</b>	<b>L756</b>	Shaping the future of magnetic data storage: How does all-optical magnetic switching work?	<b>Reid, Alex</b>
<b>CXI</b>	<b>L764</b>	Radiation damage in serial femtosecond macromolecular crystallography	<b>SCHLICHTING, ILME</b>
<b>SXR</b>	<b>L766</b>	Impact of the structural dynamics on the ultrafast demagnetization of the antiferromagnetic semiconductor EuTe	<b>SCHUESSLER-L, CHRISTIAN</b>
<b>CXI</b>	<b>L767</b>	Femtosecond nanocrystallography of designed DNA lattices	<b>Seeman, Nadrian</b>
<b>XPP</b>	<b>L772</b>	Resolving the Jahn-Teller and charge localization dynamics of charge- and orbital-order melting in a manganite	<b>STAUB, URS</b>
<b>SXR</b>	<b>L780</b>	Continuum Lowering in X-FEL Driven Solid Density Plasmas	<b>WARK, JUSTIN</b>
<b>CXI</b>	<b>L785</b>	Program Proposal: Taking Snapshots of O-O Bond Formation in Photosynthetic Water-Splitting Using Simultaneous X-ray Emission Spectroscopy and Crystallography	<b>YACHANDRA, VITTAL</b>