



<i>Proposal #</i>	<i>Instrument</i>	<i>Spokesperson</i>	<i>Title</i>
LG84	MEC	Barbrel, Benjamin	Measuring Simultaneously the Electronic and Ionic Structures in WDM. Study of Non-Thermal Melting in Silica
LG89	CXI	BERGMANN, UWE	Stimulated X-ray emission in transition metal complexes
LG95	XPP	Brunger, Axel	Using the LCLS to Determine the Structure of Synaptic Fusion Complex (SFC)
LH01	CXI	CHEREZOV, VADIM	Femtosecond Crystallography of G protein-Coupled Receptors in Lipidic Cubic Phase
LH13	AMO	DOEPPNER, TILO	Resolving collective electron dynamics in highly charged rare gas clusters
LH16	SXR	DURR, HERMANN	Making the Ultimate Magnetic Movie - single-shot all-optical magnetization reversal in TbFeCo
LH26	XPP	FOERST, MICHAEL	In search of a single order parameter for ultrafast lattice-driven phase transitions
LJ45	SXR	FOERST, MICHAEL	THz quantum quench and coherent dynamics in striped and superconducting La <sub>2-x</sub> Ba <sub>x</sub> CuO <sub>4</sub>
LH30	MEC	Fratanduono, Dayne	-High-pressure polymorphism of diamond and the implications for meteorite impact events and material science
LH43	SXR	GUEHR, MARKUS	Ground state relaxation in nucleobases
LH49	XPP	Harlang, Tobias	Systematic investigation of the excited state dynamics of iron centered dye sensitizers
LH52	AMO	HELMML, WOLFRAM	Angle-Resolved Streaking for Complete Attosecond FEL pulse characterization
LH60	XPP	Kayser, Yves	RIXS spectroscopy using SASE pulses - towards near-edge nonlinear X-ray spectroscopy
LH62	XCS	KIM, HYUNJUNG	Time-resolved Strain Development of Zeolites in Catalytic Reactions
LH66	XPP	KOZINA, MICHAEL	How do nanostructures scatter phonons?
LD01	XPP	LEE, WEI-SHENG	Investigations on the unusual ultrafast lattice dynamics in the family of Ba(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub>
LH72	XPP	LEE, WEI-SHENG	Investigating Collective Dynamics in Underdoped CDW-ordered Superconducting Cuprates YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+d</sub> Induced by Intense Single-cycle Terahertz Pulses
LH80	CXI	Lundstrom, Ulf	Radiation damage in crystallography measured using two-color x-ray pulses
LH81	XPP	LYUBIMOV, ARTEM	In-chip X-ray analysis of protein microcrystals
LH82	XCS	Madsen, Anders	Atomic-scale dynamics of network glass-formers investigated by XPCS with a seeded beam

LH85	XPP	Marsi, Marino	Structural effects in the ultrafast response of a prototype Mott-Hubbard material
LH88	MEC	McBride, Emma	Normal and Transverse Diffraction Investigating Phase Transition Pathways in Dynamically Compressed Silicon
LH89	MEC	McMahon, Malcolm	Ultrafast Diffraction Studies of Complex and Incommensurate Phases in Shock-Compressed Bismuth, Antimony and Tellurium
LH90	XPP	Meents, Alke	Serial femtosecond virus crystallography from crystals loaded on a patterned silicon micro-chip
LH95	CXI	NEUTZE, RICHARD	Do ultrafast coherent motions occur in photosynthetic reaction centers?
LH96	CXI	Oberthuer, Dominik	Optimized sample delivery with a pulsed and liquid-liquid focused jet for SFX structure determination of RNA polymerases
LH97	SXR	OGASAWARA, HIROHITO	Direct verification of the role of short-lived intermediates in catalytic N <sub>2</sub> fixation
LI06	MEC	PING, YUAN	Kinetic ion diffusion at interfaces
LI17	AMO	ROHRINGER, NINA	Stimulated Inelastic X-Ray Scattering with Two-Color FEL Source
LI24	CXI	SCHLICHTING, ILME	Structural dynamics of the R-T transition of hemoglobin by Time-resolved Serial Femtosecond Crystallography
LI35	XPP	SHPYRKO, OLEG	Ultrafast Collapse and Re-condensation of Collective Charge Ordering in Chromium
LI38	XPP	SOLOMON, EDWARD	Ultrafast Fe K-edge X-ray Absorption and K $\beta$ X-ray Emission Spectroscopies of Ferrous Cytochrome c: Defining Dynamic Excited State Spin, Oxidation, and Ligation State Changes Relevant to Function
LI41	CXI	Stan, Claudiu	The Rupture of Liquid Water under Extreme Tension
LI49	SXR	VINKO, SAM	Measuring Collisional-Ionization Rates and Stark Widths in Strongly-Coupled Solid-Density Plasmas
LI55	XPP	Watkins, Herschel	The Picosecond and Nanosecond Dynamics of Nucleic Acid Tertiary Structures
LI56	CXI	WEIK, Martin	Visualizing early photo-intermediates in a light-switchable fluorescent protein using femtosecond time-resolved SFX
LI61	XPP	YANO, JUNKO	Time-Resolved X-ray Absorption and Valence-to-Core Emission Spectroscopy of the Mn <sub>4</sub> Ca Water-Oxidizing Complex in Photosynthesis
LI63	CXI	ZATSEPIN, NADIA	Dynamics of electron transfer between Photosystem I and ferredoxin