

Proposal	Instr.	Spokesperson	Title
LE70	CXI	BOUTET, SEBASTIEN	Using 2-color FEL Pulses for Pump-Probe Radiation Damage Studies in Protein Crystals
LE73	XPP	Calero, Guillermo	Structural Studies of RNA Polymerase II transcription initiation and elongation
LE75	CXI	Cascio, Duilio	SFX Structure Determination of the core segment of the Parkinson's disease protein alpha-synuclein
LE76	AMO	CAVALIERI, ADRIAN	Time-domain measurement of Auger-decay in molecular systems
LE78	XPP	CHEN, LIN	Capturing Reaction Trajectory in CO Dissociation from Myoglobin, Hemoglobin and Hemin on Femtosecond/Sub-Picosecond Time Scale Using X-ray Transient Absorption Spectroscopy
LE79	CXI	CHEREZOV, VADIM	LCP-SFX Structure-Based Drug Design platform for GPCRs
LE80	XPP	CHEREZOV, VADIM	High-Resolution LCP-SFX in helium atmosphere
LE86	XCS	DAVID, CHRISTIAN	Probing ultrafast dynamics using the x-ray streaking method
LE92	XPP	DOAK, ROBERT	SFX at Atmospheric Pressure and Room Temperature using a High Viscosity Extrusion (HVE) Sample Injector
LF08	XPP	FOERST, MICHAEL	In search of a mechanism for magnetic order melting at the LaAlO ₃ /NdNiO ₃ interface: charge-order dynamics
LF16	XPP	GAFFNEY, KELLY	Observing ligand torsion dynamics in a solvated Cu(I)(diimine) ₂ ⁺ compound to understand excited-state dynamics using diffuse scattering
LF20	MEC	GLENZER, SIEGFRIED	Physical properties of dense hydrogen plasmas
LF21	XPP	GLOVER, THORNTON	Four Wave Mixing Probe of Ultrafast Conductivity
LF34	XPP	Henighan, Tom	Time-resolved inelastic x-ray scattering: mechanism for generating coherent mean-square displacements on the atomic-scale
LF35	XPP	HILL, JOHN	Ultrafast Control of the Magnetic Hamiltonian in 5d Iridates
LF45	SXR	LANGNER, MATTHEW	Optical Control of a Skyrmion Lattice
LF48	SXR	LaRue, Jerry	Ultrafast probing of nonadiabatic dynamics at metal surfaces during bond formation

LF50	XPP	Lee, Jun-Sik	Fate of Charge Order in YBCO under Pulsed High Magnetic Fields
LF53	CXI	LIANG, MENGNING	Serial Fiber Diffraction of Amyloid Fibrils
LF62	AMO	MARANGOS, JONATHAN	Direct Measurement of Correlation Driven Electron Dynamics in an Amino Acid
LF63	MEC	Marjoribanks, Robin	Continuum lowering and ionization shifts in laser-driven nanowire targets
LF70	XPP	MILLER,DWAYNE	Capturing Protein Functions in Action: Ligand Dissociation of Carboxymyoglobin
LF72	CXI	MINITTI, MICHAEL	Capturing chemistry in action: Spying on chemical reactions in the gas-phase
LF78	XPP	NIELSEN, MARTIN	Charge transfer and vibrational coherence in a photocatalytic model system
LF94	SXR	Reid, Alex	Is Smaller Faster? Exploring Magnetism Dynamics in Next Generation Magnetic Storage Media
LF96	MEC	RILEY, DAVID	X-ray scattering from warm dense matter
LG06	MEC	Schlenvoigt,Hans-Peter	Measuring self-generated magnetic fields from laser-solid interaction
LG07	CXI	SCHLICHTING, ILME	Radiation damage in serial femtosecond crystallography
LG09	CXI	Schmidt, Marius	Macromolecular Dynamics with Femtosecond Time Resolution
LG15	CXI	Stan,Claudiu,A	The Structure of Metastable Ice Formed in Atmospherically Relevant Conditions
LG21	XPP	TRIGO, MARIANO	Role of enhanced electron phonon coupling in charge density wave formation in 2D layered tri-tellurides and di-chalcogenides
LG26	CXI	WANG, FENGLIN	New holographic method for imaging fragmentation of small molecules in gas phase
LG30	MEC	Wehrenberg, Chris	Lattice Relaxation and Twinning in Shock Compressed Tantalum
LG35	CXI	Xu, Huaqiang	Crystal Structure of Rhodopsin-Arrestin Complexes by Femtosecond X-Ray Laser
LG36	CXI	YACHANDRA, VITTAL	Taking Snapshots of O-O Bond Formation in Photosynthetic Water-Splitting Using Simultaneous X-ray Emission Spectroscopy and Crystallography
LG37	SXR	YANO, JUNKO	Electronic Structure of the Mn ₄ CaO ₅ Complex of Photosystem II and the Mechanism of Photosynthetic Water Oxidation Studied by Mn L-edge Spectroscopy