

FEL2022

Monday, 22 August 2022

Monday posters: Coffee & Exhibition - Exhibition Hall (16:00 - 17:30)

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[84] Laser-Induced Gas Breakdown at KU-FEL	HAJIMA, Ryoichi	
[57] A Combination of Harmonic Lasing Self-Seeded FEL with Two-Color Lasing	ROENSCH-SCHULENBURG, Juliane SCHREIBER, Siegfried VOGT, Mathias KUHLMANN, Marion SCHNEIDMILLER, Evgeny	
[74] An Attosecond Scheme Overcoming Coherence Time Barrier in SASE FELs	SCHNEIDMILLER, Evgeny	
[73] Origin of the Complex Beam Profile of a Hole-Coupled Free Electron Laser Oscillator	ZEN, Heishun OHGAKI, Hideaki	
[108] Corrugated Structure System for Fresh-Slice Applications at the European XFEL	QIN, Weilun	
[83] Unaveraged Simulation of Superradiance in FEL Oscillators	HAJIMA, Ryoichi	
[161] Signatures of Misalignment in X-Ray Cavities of Cavity-Based X-Ray Free-Electron Lasers	SHVYD'KO, Yuri	
[210] Simulation Studies of Superconducting Afterburner Operation at SASE2 Beamline of European XFEL	LECHNER, Christoph	
[79] Lasing Performance of the European XFEL	DECKING, Winfried Dr SCHOLZ, Matthias	
[110] Gaussian Random Field Generator SERVAL: a Novel Algorithm to Simulate Partially Coherent Undulator Radiation	TREBUSHININ, Andrei GELONI, Gianluca SERKEZ, Svitozar	
[203] Bringing Genesis to the Cloud with Sirepo	HALL, Christopher	
[127] Low-Emittance Beam Injection from SACLA to SPring-8	HARA, Toru	
[147] FEL Performance of the EuPRAXIA@SPARC LAB AQUA Beamline	NGUYEN, Federico	
[184] Two Color Upgrade of the IR FEL at FHI Berlin	SCHÖLLKOPF, Wieland DE PAS, Marco JUNKES, Heinz VON HELDEN, Gert COLSON, William DOWELL, David GOTTSCHALK, Stephen RATHKE, John SCHULTHEISS, Tom TODD, Alan YOUNG, Lloyd GEWINNER, Sandy MEIJER, Gerard	
[16] Analysis of Ultra-Short Bunches in Free-Electron Lasers	FREUND, Henry	

[131] Optimization of Waveguide and Wire-Grid-Polarizer for Waveguide-Based Optical Resonator of Compact THz FEL	PATHANIA, Varun	
[9] Quantum State Features of the FEL Radiation from the Occupation Number Statistics	Prof. BAJONI, Daniele	
[62] SASE Optimization Approaches at FLASH	SCHREIBER, Siegfried VOGT, Mathias ROENSCH-SCHULENBURG, Juliane CZWALINNA, Marie HONKAVAARA, Katja EISLAGE, Arvid KOCHARYAN, Vitali KUHLMANN, Marion TREUSCH, Rolf ZEMELLA, Johann	
[69] Superradiant Amplification to Produce Attosecond Pulses in Soft X-Ray Regime via Linear Reverse Taper within Undulator Section	Mr ZHU, Longdi REICHE, Sven FERRARI, Eugenio	
[80] Protected Mirrors Enabling Storage Ring FEL Lasing below 170 nm	KOCHANNECK, Leif	
[144] Ponderomotive Prebunching for Spontaneous Superradiant and Stimulated Thomson Scattering	SCHAAP, Brian	
[250] Smart*Light: a Tunable Inverse Compton Scattering (ICS) X-Ray Source for Imaging and Analysis	LUITEN, Jom	
[160] SASE-FEL Stochastic Spectroscopy Investigation on XUV Absorption and Emission Dynamics in Silicon	DE ANGELIS, Dario FAUSTI, Daniele CAPOTONDI, Flavio PRINCE, Kevin KLEIN, Yishay MINCIGRUCCI, Riccardo PEDERSOLI, Emanuele PRINCIPI, Emiliano SHWARTZ, Sharon SVETINA, Cristian RAZZOLI, Elia PELLI CRESI, Jacopo Stefano FOGLIA, Laura VARTANIANTS, Ivan	
[231] Analyses Supporting the 2-Color Upgrade to the IR FEL at FHI Berlin	TODD, Alan COLSON, William DOWELL, David GOTTSCHALK, Stephen RATHKE, John SCHULTHEISS, Thomas YOUNG, Lloyd SCHÖLLKOPF, Wieland DE PAS, Marco GEWINNER, Sandy JUNKES, Heinz MEIJER, Gerard VON HELDEN, Gert	

[207] Report on the FELIX Wavelength Range Extension	CLAESSEN, Victor GOTTSCHALK, Stephen REDLICH, Britta WILLEMSSEN, Bryan BAREL, Marije VAN BUUREN, René VAN DER MEER, Alexander PIJPERS, Paul RIET, Michel STUMPEL, Wouter TIELEMANS, Guus VAN VLIET, Arjan WILLEMSSEN, Bryan	
[82] Detail Study for the Laser Activating Reflective Switch for THz Free Electron Laser	KAWASE, Keigo	
[249] Origin of Echo-Enabled Harmonic Generation	LITVINENKO, Vladimir	
[92] Demonstration of Large Bandwidth Mode with a Spatially Tilted Beam at SwissFEL	REICHE, Sven	
[34] Flexible Operation Modes for EuXFEL	GUETG, Marc BEUTNER, Bolko BRANLARD, Julien BRINKER, Frank DECKING, Winfried HARTL, Ingmar KAMMERING, Raimund LIPKA, Dirk LOCKMANN, Nils MIRIAN, Najmeh SCHNEIDMILLER, Evgeny TÜNNERMANN, Henrik WAMSAT, Thomas GELONI, Gianluca GERASIMOVA, Natalia KUJALA, Naresh SERKEZ, Svitozar	
[139] Simulation Studies for the ASPECT Project at European XFEL	YAN, Jiawei GELONI, Gianluca LECHNER, Christoph Dr CHEN, Ye GUETG, Marc SCHNEIDMILLER, Evgeny SERKEZ, Svitozar Dr HEYL, Christoph	
[23] MINERVA Code Release Announcement	FREUND, Henry VAN DER SLOT, Peter	
[49] Two-Color FEL by Laser Emittance Spoiler	VICARIO, Carlo ARRELL, Christopher BETTONI, Simona DAX, Andreas DIJKSTAL, Philipp HUPPERT, Martin PRAT, Eduard REICHE, Sven TRISORIO, Alexandre LUTMAN, Alberto	

[140] Optical-Cavity Based Seeded FEL Schemes toward Higher Repetition Rate and Shorter Wavelengths	PARASKAKI, Georgia ACKERMANN, Sven GELONI, Gianluca Dr FAATZ, Bart LIU, Bo FENG, Chao SUN, Hao	
[138] First Study of Fresh-Slice Multi-Stage Amplification at SwissFEL	WANG, Guanglei	
[205] Evolution of Microbunching in Drift Sections	KHAN, Shaukat BRYNES, Alexander SPEZZANI, Carlo ALLARIA, Enrico FERRARI, Eugenio SCHNEIDMILLER, Evgeny PENCO, Giuseppe GIANNESI, Luca REBERNIK RIBIC, Primoz SPAMPINATI, Simone SOTTOCORONA, Filippo PEROSA, Giovanni TROVO, Mauro DE NINNO, Giovanni	
[15] Improvement of XFEL Brightness at PAL-XFEL	KANG, Teyoun	
[17] Variable Polarization States in Free-Electron Lasers	FREUND, Henry Dr VAN DER SLOT, Peter	
[86] Spectrometer-Based X-Ray Free-Electron Laser Pulse Duration Measurements of Chirped Beams	ROBLES, River	
[104] Generation of X-Ray Vortex Beams in a Free-Electron Laser Oscillator	DENG, Haixiao YAN, Jiawei HUANG, Nanshun	
[18] An X-Ray Regenerative Amplifier Free-Electron Laser Using Diamond Pinhole Mirrors	FREUND, Henry	
[156] Modelling of Sub-Wavelength Effects in a FEL Oscillator	PONGCHALEE, Pornthep MCNEIL, Brian	
[181] Proposed FEL Schemes and their Performance for the Soft X-Ray Free Electron Laser (SXL) at the MAX IV Laboratory	CURBIS, Francesca	
[243] Terahertz Tuning of Dirac Plasmons in Bi₂Se₃ Topological Insulator	SCHMIDT, Johannes	
[42] First Commissioning of the Proof-of-Principle Experiment on a THz SASE FEL at the PITZ Facility	KRASILNIKOV, Mikhail SANDMANN-LEMM, Anja RICHARD, Christopher Dr YURKOV, Mikhail SCHNEIDMILLER, Evgeny KRAUSE, Bernward TISCHER, Markus VAGIN, Pavel	
[102] Short FEL Pulses with Tunable Duration from Transversely Tilted Beams at SwissFEL	DIJKSTAL, Philipp PRAT, Eduard REICHE, Sven	

[52] Status of the Free-Electron Laser User Facility FLASH	HONKAVAARA, Katja SCHREIBER, Siegfried VOGT, Mathias ROENSCH-SCHULENBURG, Juliane KUHLMANN, Marion SCHAPER, Lucas GERTH, Christopher TREUSCH, Rolf ZEMELLA, Johann	
[242] Nonlinear Spectroscopy at the THz-Beamline TeraFERMI	SCHMIDT, Johannes	