

FEL2024 - 41st International Free Electron Laser Conference

Tuesday 20 August 2024

Poster session: Coffee and poster session (16:20 - 21:00)

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[4] Proposal for an extreme ultraviolet free-electron laser with low-energy electron beam	YANG, Hanxiang	TUP004-TUB
[6] Measurement of first and second order longitudinal dispersion in the MAX IV bunch compressor	LUNDQUIST, Johan	TUP006-THA
[10] Design considerations for the free electron laser oscillators of Anhui University	Dr JIA, Qika	TUP010-TUC
[13] Preliminary design of the beam dump line at the S3FEL	LIANG, Yifan	TUP013-THA
[14] Simulations Study of Reverse-taper Enhanced Harmonic Lasing at SXFEL	XIAO, Yaozong	TUP014-FRA
[16] Signal Filtering Optimization for Laser Arrival Time Measurement Based on Electro-Optic Modulator	WU, Bowei	TUP016-THA
[18] 3D theory of micro-bunching instabilities driven by space-charge	LITVINENKO, Vladimir	TUP018-WEB
[19] Performance of the high-brightness SRF CW photo-electron gun	LITVINENKO, Vladimir	TUP019-WEA
[21] Upgrade of the High Brightness Photo-injector System at NSRRC	CHOU, Ming-Chang	TUP021-WEA
[22] Longitudinal phase space diagnostics with a non-movable corrugated passive wakefield streaker	Dr DIJKSTAL, Philipp	TUP022-THA
[24] Preparing for XLO: optical cavity design	Dr HALAVANAU, Aliaksei	TUP024-FRA
[25] Time-resolved measurements of short-range transverse wakefields in flat corrugated structures	Dr DIJKSTAL, Philipp	TUP025-WEB
[26] Sub-femtosecond hard X-ray FEL pulses from photocathode temporal shaping at SwissFEL	Dr DIJKSTAL, Philipp	TUP026-FRA
[27] Generating the strong field terahertz radiation at shanghai soft X-ray free electron laser	ZHANG, Kaiqing	TUP027-FRA
[28] Ultrashort large-bandwidth X-ray free-electron laser generation with a dielectric-lined waveguide	WANG, Zhen	TUP028-WEC
[29] Design of a tunable radio frequency elliptically polarized undulator for SXFEL user facility	GAO, Zhangfeng	TUP029-THB
[30] Consideration of HB-SASE and HP-SASE at the SXFEL	LIU, Tao GAO, Zhangfeng	TUP030-FRA
[32] Development status of the fiber length stabilizers for the laser arrival-time measurement	WANG, Jinguo	TUP032-THA
[34] Creating microbunched electrons for a coherent soft x-ray ICS source	SWEERS, Coen	TUP034-WEB
[35] Smart*Light: a high-brilliance ICS based x-ray source	VAN ELK, Ids	TUP035-WEC
[37] Measurement of Thermal Emittance from a Cs2Te Photocathode Based on a VHF Electron Gun	LIU, Zipeng	TUP037-WEA
[38] Harnessing Artificial Intelligence for Single-Shot Measurement of Free Electron Laser Pulse Power	MIRIAN, Najmeh KORTEN, Till	TUP038-THA

[42] Commissioning results of X-band linear compression system at Dalian Coherent Light Source	LI, Xinmeng	TUP042-WEB
[43] Narrow-band SASE FEL for EUV Lithography	NGUYEN, Dinh	TUP043-FRA
[44] Operational experience with attosecond soft x-rays at LCLS	CESAR, David	TUP044-FRA
[45] Compression of attosecond x-rays with space-charge induced chirp	MARINELLI, Agostino CESAR, David	TUP045-FRA
[47] Resolving Longitudinal Information of Electron Beam and FEL pulses Using Transverse Deflecting Cavity at Dalian Coherent Light Source	SUN, Jitao	TUP047-THA
[48] Tapering enhanced high efficiency THz waveguide oscillator	YANG, Yining	TUP048-TUC
[49] Generation of ultrashort THz radiation pulses using chirped micro-bunching and tapered undulators	YANG, Yining	TUP049-FRA
[50] Beam energy measurement at the European XFEL with high-performance trajectory fitting	FROEHLICH, Lars	TUP050-THA
[51] High-power THz free electron laser via tapering-enhanced super-radiance	FEIGIN, Leon	TUP051-WEC
[53] Electron Bunch Spacing with Extreme Laser Heating for FEL improvement at PAL-XFEL*	YANG, Haeryong	TUP053-WEB
[55] Simulation study of nanostructured copper photocathodes	Ms BULGACHEVA, Margarita	TUP055-WEA
[56] The waveguide effect of FEL oscillator at different horizontal size	XU, Yuanfang	TUP056-TUC
[57] The effect of wake field and longitudinal space charge field on the SASE performance at S3FEL	YI, Huaiqian	TUP057-TUA
[58] Two-color soft X-ray free-electron laser schemes at the S3FEL	Dr SUN, Hao	TUP058-FRA
[59] A Method for Passive Streaker LPS Reconstruction	TOMIN, Sergey	TUP059-THA
[60] Design of a four-mirror bow-tie cavity based free electron laser oscillator for eliminating spectral gaps	XU, Yuanfang	TUP060-TUC
[61] Optimization of seeding from dielectric-lined waveguide for PITZ-like THz FEL	ZHANG, Xiao-Yang	TUP061-TUB
[62] Advanced Hard X-ray Self-seeding operation schemes at the European XFEL	LIU, Shan	TUP062-TUB
[63] Microbunching instability analysis of the three-stage magnetic compressor scheme at SHINE	CHENG, Wencai	TUP063-WEB
[64] Nonlinear compression of long-wavelength-infrared free electron laser pulses in thick Germanium plate	ZEN, Heishun	TUP064-TUC
[68] Gamma Spectrometer Measurements at the European XFEL Undulator System	FALOWSKA-PIETRZAK, Olga	TUP068-THB
[70] Analysis of a decade of pioneering user operation at the FERMI Free-Electron Laser facility	BADANO, Laura	TUP070-TUB
[71] High-power attosecond hard X-ray generation via enhanced SASE driven by cathode laser shaping	GUO, Veronica	TUP071-FRB
[73] Present status of Kyoto University Free Electron Laser facility	ZEN, Heishun	TUP073-TUC
[74] First trial of scraper out-coupling in Kyoto University Free Electron Laser	ZEN, Heishun	TUP074-TUC
[75] The simulation of beam-based alignment at S3FEL	ZENG, Li	TUP075-THA
[76] The preliminary study of pulse energy optimization with reinforcement learning	ZENG, Li	TUP076-THA
[77] Installation of pulsed quadrupole magnets for independent envelope tuning of multiple beamlines	HARA, Toru	TUP077-TUA

[79] THz Superradiant Waveguide FEL, Design Considerations	WEINBERG, Amir	TUP079-MOB
[83] A HIGH GAIN HARMONIC GENERATION FREE ELECTRON LASER DRIVEN BY A COMPACT LASER PLASMA BEAMLINE	TENG, Shan-You	TUP083-WEC
[84] Fresh-sliced FEL generation at PAL-XFEL	CHO, MyungHoon	TUP084-TUA
[90] Measurements of particle trajectory caustics in bunch compressors.	DIXON, Adam	TUP090-WEB
[91] Emittance Optimization Studies at PITZ with Laser Pulse Shaping	ZEESHAN, Sumaira	TUP091-WEA
[92] Adaptive beam current feedback system at the Shanghai Soft X-ray FEL facility	LUO, Hang	TUP092-THA
[93] The hard X-ray self-seeding system at the European XFEL: current status and applications	GELONI, Gianluca	TUP093-TUB
[94] A Pulsed-Optical Timing Distribution System Featuring Reconfigurable Synchronization of 40 Remote Locations	Mr RÜCKMANN, Max	TUP094-THA
[95] Beam dynamics study on low-emittance electron beams generated via a combined transverse and temporal photocathode laser shaping approach at the European XFEL	CAI, Meng	TUP095-WEA
[96] Noise-based modelling of partially coherent radiation with an arbitrary Wigner function	TREBUSHININ, Andrei	TUP096-MOB
[97] Iris waveguide for low-losses THz radiation propagation over long distances	TREBUSHININ, Andrei	TUP097-THB
[99] Code for modelling synchrotron radiation in a waveguide	TREBUSHININ, Andrei	TUP099-THB
[100] Method for measuring the transverse electron beam size with intensity interferometry at free-electron lasers	TREBUSHININ, Andrei	TUP100-THA
[101] Impact of local bunching factor on the performance of THz FEL	KRASILNIKOV, Mikhail	TUP101-MOB
[102] Exploring non-linear longitudinal phase space correlations: emittance-preserved bunch compression scheme for the UK XFEL low energy beamline	APSIMON, Oznur	TUP102-WEB
[103] Developments for the High-Duty-Cycle Upgrade of the European XFEL	DECKING, Winfried	TUP103-TUA
[104] A Development of Nanosecond Pulse Power Modules	KRASNYKH, Anatoly	TUP104-THA
[105] High-resolution synchrotron radiation topography characterization of diamond monochromator for hard X-ray free electron laser	LIU, Yixuan	TUP105-MOB
[107] First Light at the Israeli THz Superradiant Free Electron Laser	NAUSE, Ariel	TUP107-TUC
[109] Chromatic index to find a working point for a 4th generation synchrotron light source	Dr SANCHEZ, Edgar	TUP109-WEB
[112] Spectrotemporal shaping of attosecond x-ray pulses with a fresh-slice free-electron laser	ROBLES, River	TUP112-FRA
[115] Observation of high order sum frequency generations observed in polycrystalline ZnS	OHGAKI, Hideaki	TUP115-TUC
[116] High-harmonic generation from solid and gas targets with infrared FEL pulses	HAJIMA, Ryoichi	TUP116-TUC
[117] Study on Cs-Te Photocathode with Protective Film for Performance Improvement of KU-FEL	UMEMOTO, Koki	TUP117-WEA
[118] Development of array-type secondary electron emission monitor toward single-shot determination of extraction efficiency of oscillator FELs	BI, Zhuang	TUP118-THA
[120] Design of the post-linac beam collimation at the switchyard section of SHINE	YAN, Bingyang	TUP120-WEB
[122] Spreader design options for a high-throughput multi-user XFEL	POTTER, Andrew	TUP122-WEB

[123] The FLASH User Facility Between Two Upgrade Shutdowns	VOGT, Mathias	TUP123-TUA
[124] Automatic electron optics compensation for FODO lattices affected by undulator focusing	VOGT, Mathias	TUP124-WEB
[126] A high-energy XFEL scheme based on the CEPC linear accelerator	Dr MENG, Cai	TUP126-WEB
[127] Proof-of-concept of an ultrafast source in the Soft X-ray range	CURBIS, Francesca	TUP127-TUA
[129] Optimization and characterization of externally seeded FLASH1	FERRARI, Eugenio	TUP129-TUB
[130] First spectral measurements of single-pass high-gain THz FEL at PITZ	KRASILNIKOV, Mikhail	TUP130-TUA
[133] Beam Based Undulator Trajectory Alignment at European XFEL	SCHOLZ, Matthias	TUP133-TUA
[134] Progress by the Cavity-Based FEL Project	SHVYD'KO, Yuri	TUP134-TUC
[137] Compact prebunched waveguide THz-FEL	MUSUMECI, Pietro	TUP137-TUC
[140] Fast modeling of regenerative amplifier free-electron lasers	ROBLES, River	TUP140-TUC
[142] Speckle suppression by splitting and delaying short FEL pulses	STUPAKOV, Gennady	TUP142-WED
[143] A review of space charge models for high brightness electron injectors	BETTERIDGE, Oliver	TUP143-WEB
[146] Generation of high-power attosecond X-ray FEL pulses carrying orbital angular momentum	XU, Chenzhi	TUP146-FRA
[147] Bayesian optimization for generating attosecond X-ray FEL pulses carrying orbital angular momentum	XU, Chenzhi	TUP147-FRA
[148] First EEHG lasing at FLASH and future prospective	FERRARI, Eugenio	TUP148-TUB
[149] The XUV High-Gain FEL Oscillator Project at FLASH	ASATRIAN, Margarit	TUP149-TUC
[150] Steady State and Power Buildup in a Tapered XUV FEL Oscillator	ASATRIAN, Margarit	TUP150-TUC
[151] Spatio-temporal overlap procedures for seeding at FLASH	THIEL, Andreas	TUP151-TUB
[152] PERFORMANCE ESTIMATES FOR A COMPACT THZ FEL	FREUND, Henry	TUP152-WEC
[153] Harmonic generation in a terawatt X-ray free-electron laser	FREUND, Henry	TUP153-FRA
[155] Radiation dose mitigation for APPLE-X electronics at the European XFEL.	POTTER, Andrew	TUP155-THB
[156] EEHG and HGHG FEL performance in the extreme ultraviolet spectral range	PENCO, Giuseppe	TUP156-TUB
[159] Influence of ionizing beam irradiation on the critical parameters of superconducting elements	SOSNOWSKI, Jacek	TUP159-WEB
[161] A RESONATOR FOR A HIGH-GAIN X-RAY FEL OSCILLATOR	Dr VAN DER SLOT, Peter	TUP161-TUC
[162] Shot-to-shot Control of Bunch Length for High-repetition-rate XFELs	FAATZ, Bart	TUP162-WEB
[165] Electron Beam Instrumentation for SwissFEL: Advancements and Future Directions	ISCHEBECK, Rasmus	TUP165-THA
[166] Electron beam instrumentation for EuPRAXIA	ISCHEBECK, Rasmus	TUP166-THA
[167] Active Control of the Energy Chirp of a Relativistic Electron Beam	YAMPOLSKY, Nikolai	TUP167-WEB
[168] Observation of coherent edge radiation for electron-bunch length monitoring during free-electron laser oscillations at KU-FEL	OHGAKI, Hideaki	TUP168-WEB
[170] Harmonic generation with homeopathic seeding at FERMI	ALLARIA, Enrico	TUP170-TUB
[171] Measurements of slice parameters for EEHG optimization	ALLARIA, Enrico	TUP171-THA
[172] Comparing 266 nm and 200 nm seeding at the FERMI double-cascade HGHG FEL	DANAIOV, Miltcho	TUP172-TUB

[174] Spectral response and quantum efficiency of rejuvenated Cesium Telluride photocathodes for high average current photoinjectors	KATONA, Palma	TUP174-WEA
[176] Self-seeding scheme for testing CBXFEL configurations	SINGLETON, Madison	TUP176-TUB
[178] Initial Commission Result of LCLS II Precision Timing System	XU, Chengcheng	TUP178-THA
[179] Generation of Short Wavelength at Variable Polarization in FLASH2	ROENSCH-SCHULENBURG, Juliane VOGT, Mathias	TUP179-FRA
[183] Dispersion Elimination of Electron Beam from a Microtron Accelerator for Terahertz Free Electron Laser	BAE, Myung Jin	TUP183-TUC
[184] FOMO: A Tool For Start-to-End Simulations of the FERMI Free-Electron Laser	BRYNES, Alexander	TUP184-WEB
[185] Microbunching study of the beam switchyard section of SHINE	YAN, Bingyang	TUP185-WEB
[188] Bunch length control with a beam energy control unit	WU, Liuyang	TUP188-WEB
[189] Experiment Timing at High Repetition Rate Free Electron Lasers	GLOWNIA, James	TUP189-THA
[190] Experimental application of the multi-profiles method for the measurement of projected emittance at SXFEL	GUO, Jun-Jie	TUP190-THA
[191] Dark current study of a normal conducting VHF band RF gun	Mr WANG, xing heng	TUP191-WEA
[195] High-power, Narrow-bandwidth Cavity-Based Free Electron Lasers	TANG, Jingyi SINGLETON, Madison	TUP195-TUC
[196] FERMI 2.0: status and perspectives for the upgrade of FERMI P	Dr GIANNESI, Luca	TUP196-TUB
[197] Physical design of a VHF band normal conducting RF gun	SHU, Guan	TUP197-WEA
[199] DFCSR: A Fast Calculation of 2D/3D Coherent Synchrotron Radiation in Relativistic Beams	TANG, Jingyi	TUP199-WEB
[201] Experimental design challenges for single-shot electro-optical measurements of electron bunch shapes at high repetition rates	STEFFEN, Bernd	TUP201-THA
[203] Monte Carlo studies of BeamLoss detectors for PoIFEL	KWIATKOWSKI, Roch	TUP203-THA
[204] X-ray beam diagnostics at the European XFEL	GRÜNERT, Jan	TUP204-THB
[207] Magnetic characterizations of the APPLE – X undulators for SABINA	BALOSSINO, Ilaria	TUP207-THB
[210] The UK XFEL conceptual design and options analysis project	DUNNING, David	TUP210-FRA
[212] Realizing Steady-State Microbunching with Optical Stochastic Crystallization	WALLBANK, Michael	TUP212-WEC
[213] Updates to Xopt for Online Accelerator Optimization and Control	ROUSSEL, Ryan	TUP213-THA
[214] Tunable UV Laser for External Seeding of the High Repetition Rate Soft X-ray Free Electron Laser FLASH	Dr LANG, Tino	TUP214-TUB
[215] A Workflow for End-to-end Modeling of FELs	HALL, Christopher	TUP215-WEB
[220] Fiber Bragg-Grating strain measurements on the APPLE – X undulators for SABINA	BALOSSINO, Ilaria	TUP220-THB
[221] Machine Learning based optimization of beam emittance in Free-Electron Lasers	KLEMPES, Alexander	TUP221-WEA
[222] Surface plasmon enhanced photocathode R&D at DESY for CW photoinjector for future CW and high-duty-cycle European XFEL	BANJARE, Chirag	TUP222-WEA
[224] FAST Injector Modeling for the TESSA experiment	BRUHWILER, David	TUP224-WEA
[229] Modular Cosmic Ray Detector (MCORD) and its potential use in various physics experiments, astrophysics and geophysics.	BIELEWICZ, Marcin	TUP229-THB

[230] Machine Learning Surrogates for 2D CSR Simulations	HALL, Christopher	TUP230-WEB
[232] Analytical study of wakefields of short beams with large transverse size in planar corrugated structures	HU, Wenxiang	TUP232-WEB
[233] Tolerance studies of the APPLE-X Undulators for the EuPRAXIA@SPARC_LAB AQUA Beamline	Dr GIANNESI, Luca	TUP233-TUA
[234] Lasing of the elliptically polarized undulators in SXFEL	GAO, Zhangfeng	TUP234-TUA
[236] Electron bunch shaping by laser heater for attosecond XFEL	MOON, Kookjin	TUP236-FRA
[238] Ponderomotive laser lens for beam phase space control	RIBBING, Johan	TUP238-WEB
[240] Nanometer-class longitudinally bunched beams in the AWA emittance exchange beamline	Dr HALAVANAU, Aliaksei	TUP240-WEB
[242] R&D progress of cavity based EUV/X-ray free electron lasers at Shanghai	HUANG, Nanshun	TUP242-TUC
[244] Measurements and simulations of the longitudinal wakefields at free electron laser FLASH II	Dr YURKOV, Mikhail	TUP244-THA
[245] Second generation of multi-alkali antimonide photocathodes for high-gradient RF guns	MOHANTY, Sandeep	TUP245-WEA
[246] Status of FAST-XPB: Photon data base for the European XFEL	Dr YURKOV, Mikhail	TUP246-TUA
[247] Temporal and spatial coherence properties of the odd harmonics of the radiation from X-ray free electron laser with planar undulator	Dr YURKOV, Mikhail	TUP247-TUA
[248] Analysis of temporal and spatial coherence of the radiation at FLASH FEL beamlines	Dr YURKOV, Mikhail	TUP248-TUA
[249] A Systematic Approach to Obtain Reliable Wake Functions from CST-calculated Wake Potentials for Multi-particle Simulations	Dr CHIANG, Wei-Yuan	TUP249-WEB
[250] Commissioning of Echo-Enabled Harmonic Generation at the DELTA Storage Ring	KHAN, Shaukat	TUP250-TUB
[251] Utilizing a pair of orthogonally oriented corrugated structures for variable polarization self-locked streaking of electrons in time.	MALYZHENKOV, Alexander	TUP251-THA
[253] Self-seeded hard X-ray free-electron lasers with the narrowest bandwidth at PAL-XFEL	NAM, Inhyuk	TUP253-TUB
[258] Bunch length measurement based on Cherenkov radiation spectrum at PolFEL and Solaris	BUT, Dmytro	TUP258-THA
[260] Testing and characterization of Solid-State Amplifiers for PolFEL Accelerator	KOWALSKI, Tomasz	TUP260-THA
[272] Superconducting Nb/Pb electron photocathode - towards improved adhesion of lead layer to niobium substrate	LORKIEWICZ, Jerzy	TUP272-WEA
[275] Generation of an attosecond FEL-quality beams in plasma wakefield accelerators	YAN, Jiayang	TUP275-FRB
[277] Proposal for a New Approach to Undulator Tuning	HORODEŃSKI, Andrzej	TUP277-THB
[279] Transition Layer of the Relativistic Strophotron	OGANESYAN, Koryun	TUP279-MOB