



# FEL2022

## Wednesday, 24 August 2022

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

[id] title	presenter	board
[54] AI Methods for an Improved Evaluation of FEL Diagnostic Data	GOETZKE, Gesa	
[128] Development of a Table-Top THz Free-Electron Laser with a Microtron Accelerator and a Hybrid Electro-Magnetic Undulator	BAE, Sangyoon	
[149] Infrared Spectrometer for Microbunching Characterization	VERONESE, Marco ALLARIA, Enrico BRYNES, Alexander DE NINNO, Giovanni DI MITRI, Simone FERIANIS, Mario GIANNESSI, Luca PENCO, Giuseppe PEROSA, Giovanni ROUSSEL, Eléonore SPEZZANI, Carlo SPAMPINATI, Simone	
[272] Upgrade of the 2 Tesla Electro-Magnet and Power Supply of the DEIMOS Beamline at Synchrotron SOLEIL	PRETELLI, Miguel	
[185] Optimization and Fine Tuning of Machine Parameters with Model-Less Algorithm	Mr TRIPALDI, Francesco GAIO, Giulio GALASSI, Fabio	
[208] Fabrication of X-Ray Gratings by Grey-Tone Electron-Beam Lithography and Thermal Oxidation of Silicon	SAMADI, Nazanin	
[142] Investigation of High Absorbed Doses in the Intersections of the European XFEL Undulator Systems	FALOWSKA-PIETRZAK, Olga HEDQVIST, Anders HELLBERG, Fredrik LOPEZ BASURCO, Guillermo WOLFF-FABRIS, Frederik	
[275] Study of an ERL-Based X-Ray FEL	LIN, Fanglei GUO, Jiquan MOROZOV, Vasiliy ZHANG, Yuhong	
[76] Virtual Diagnostic for Longitudinal Phase Space Imaging for the MAX IV SXL Project	LUNDQUIST, Johan WERIN, Sverker CURBIS, Francesca	
[246] Adhesive Technologies at Manufacture THz Mirrors	Mr CIPLIS, Johnathan	

<b>[158] Characterisation of a Diamond Channel Cut Monochromator Designed for High Repetition Rate Operation at the EuXFEL</b>	TASCA, Kelin SAMOYLOVA, Liubov BARRETT, Raymond MADSEN, Anders PETROV, Iliia Dr RODRIGUEZ-FERNANDEZ, Angel Dr SHAYDUK, Roman TRAN THI, Thu Nhi ZOZULYA, Alexey VANNONI, Maurizio	
<b>[81] Controlling Beam Trajectory and Beam Transport in a Tapered Helical Undulator</b>	FISHER, Andrew JIN, Jason Dr MUSUMECI, Pietro	
<b>[167] Machine Learning Developments for CLARA</b>	DUNNING, David POLLARD, Amelia MAHESHWARI, Minerva GILFELLON, Anthony OKELL, William SNEDDEN, Edward	
<b>[61] RF Commissioning and First Beam Operation of the PolariX Transverse Deflecting Structures in the FLASH2 Beamline</b>	VOGT, Mathias ROENSCH-SCHULENBURG, Juliane SCHREIBER, Siegfried CHRISTIE, Florian	
<b>[105] Beam-Splitting Normalization Schemes for Femtosecond X-Ray Absorption Spectroscopy Using Stochastic Free-Electron Laser Pulses</b>	MAMYRBAYEV, Talgat	
<b>[120] Upgrade to the Transverse Optics Matching Strategy for the FERMI FEL</b>	BRYNES, Alexander TROVO, Mauro DI MITRI, Simone PENCO, Giuseppe ALLARIA, Enrico SPAMPINATI, Simone PEROSA, Giovanni Dr GIANNESI, Luca	
<b>[3] Millimeter-Wave Undulators for Compact X-Ray Free-Electron Lasers</b>	Dr ZHANG, Liang EASTON, Jack Dr DONALDSON, Craig WHYTE, Colin CROSS, Adrian CLARKE, Jim	
<b>[4] Achievements and Challenges for Sub-10 fs Long-Term Arrival Time Stability at Large-Scale SASE FEL Facilities</b>	LAUTENSCHLAGER, Björn	
<b>[65] Magnetic Field Investigation in a Compact Superconducting Undulator with HTS Tape</b>	ASTAPOVYCH, Daria GLAMANN, Nicole GRAU, Andreas KRASCH, Bennet SAEZ DE JAUREGUI, David	
<b>[124] Design of the Superconducting undulator for EuPRAXIA@SPARC_LAB</b>	NGUYEN, Federico	
<b>[164] Wakefield Calculations of the Undulator Section in FEL-I at the SHINE</b>	LIU, He YAN, Jiawei DENG, Haixiao LIU, Bo	

<b>[204] Beam Based Alignment of a Seeded FEL</b>	ALLARIA, Enrico BRYNES, Alexander DIVIACCO, Bruno Dr GIANNESI, Luca SPEZZANI, Carlo	
<b>[123] Demonstration of Hard X-ray Multiplexing using Microbunch Rotation through an Achromatic Bend</b>	MARGRAF, Rachel MACARTHUR, James MARCUS, Gabriel NUHN, Heinz-Dieter LUTMAN, Alberto Dr HALAVANAU, Aliaksei HUANG, Zhirong	
<b>[224] Considerations on Wakefield Effects in a VUV FEL Driven by a Superconducting TESLA-Type Linac</b>	Dr LUMPKIN, Alex FREUND, Henry VAN DER SLOT, Peter	
<b>[251] Development of a Photoelectron Spectrometer for Hard X-Ray Photon Diagnostics at the European XFEL</b>	DIETRICH, Florian GRÜNERT, Jan LIU, Jia LAKSMAN, Joakim PLANAS, Marc KUJALA, Naresh GAUTAM, Randeer Pratap Dr FRANCOUAL, Sonia MALTEZOPOULOS, Theophilos FREUND, Wolfgang	
<b>[133] Experimental Slice Emittance Reduction at PITZ Using Laser Pulse Shaping</b>	ABOULBANINE, Zakaria	
<b>[200] Laser Plasma Accelerator Based Seeded FEL Commissioning on COXINEL at HZDR</b>	Dr GHAITH, Amin COUPERUS CABADAG, Jurjen Prof. SHRAMM, Ulrich IRMAN, Arie LABAT, Marie LOULERGUE, Alexandre COUPRIE, Marie-Emmanuelle ROUSSEL, Eléonore	
<b>[248] Conceptual Design of the THz Undulator for the PoIFEL Project</b>	WIECHECKI, Jaroslaw	
<b>[201] Feasibility of Single-Shot Microbunching Diagnostics for a Pre-bunched Beam for TESSA at 515 nm</b>	LUMPKIN, Alex RULE, Donald MUSUMECI, Pietro	
<b>[233] Microwave Cavity Resonance Spectroscopy of Ultracold Plasmas</b>	Dr VAN NINHUIJS, Mark	
<b>[99] Short Period Apple-X Undulator Modeling for the AQUA Line of the Future EuPRAXIA@SPARC_LAB Facility</b>	PETRALIA, Alberto CARPANESE, Mariano DEL FRANCO, Mario DORIA, Andrea NGUYEN, Federico GIANNESI, Luca SELCE, Andrea	
<b>[89] Measurement of Orbit Coupling by the Apple-X Undulator Modules in the Soft X-ray Beamline Athos at SwissFEL</b>	REICHE, Sven CALVI, Marco GANTER, Romain FERRARI, Eugenio	
<b>[154] Single-Shot Temporal Characterization of XUV FEL Pulses</b>	DÜSTERER, Stefan	
<b>[168] The Evolution of KAOS, a Multipurpose Active Optics System for EUV/Soft X-Rays</b>	MANFREDDA, Michele	

<b>[37] Design of a New Beamline for the ORGAD Hybrid RF-Gun at Ariel University</b>	WEINBERG, Amir	
<b>[88] Orbit Jitter Analysis at SwissFEL</b>	REICHE, Sven	
<b>[64] Development of Diamond-Based Pass-Through Diagnostics for Next-Generation XFELs</b>	Mr PADILLA, Rene Ms SILVA TORRECILLA, Isleydys Dr ZHU, Diling GONZALEZ, Eric KACHIGUINE, Serguei MARTINEZ-MCKINNEY, Forest MAZZA, Simone NIZAM, Mohammad NORVELL, Nora POTTER, Emma RYAN, Eric SCHUMM, Bruce TARKA, Michal WILDER, Max JACOBSON, Bryce MACARTHUR, James Dr BOHON, Jen KIM, Dongsung Dr SMEDLEY, John GRACE, Carl PRAKASH, Tarun HARRIS, Charles STUART, David PREBYS, Eric	
<b>[152] Investigation of the Beam Losses and Radiation Loads for the Implementation of a Slotted Foil at the European XFEL</b>	POTTER, Andrew	
<b>[188] Design Considerations for a New Extraction Arc at the European X-Ray Free Electron Laser</b>	WALKER, Stuart	
<b>[56] RF Conditioning and First Experiences with the PolariX TDS at PSI</b>	CRAIEVICH, Paolo ALEX, Juergen BRAUN, Hans-Heinrich GANter, Romain GENG, Zheqiao KALT, Roger KLEBB, Thomas LUCAS, Thomas MARCELLINI, Fabio MENZEL, Ralf PEDROZZI, Marco PRAT, Eduard REICHE, Sven TRON, Wolfgang ZENNARO, Riccardo D'AMICO, Michael FORTUNATI, Reto BEARD, Carl	
<b>[148] Intrabeam Scattering Effects in the Electron Injector of the European XFEL</b>	GJONAJ, Erion	
<b>[241] Determination of a High-Power Short THz Single Pulse Detector for FEL</b>	HAJ YAHYA, Adnan	

<b>[91] Design Considerations for the Extraction Line of the Proposed Third Beamline Porthos at SwissFEL</b>	REICHE, Sven CRAIEVICH, Paolo SCHIETINGER, Thomas SCHAER, Mattia	
<b>[153] Protection of the European XFEL Undulators from the Additional Beam Losses Caused by the Insertion of a Slotted Foil</b>	POTTER, Andrew	
<b>[240] Simulation Study of a Dielectric Beam Energy Dechirper for the Proposed NSRRC EUV FEL Facility</b>	Mr LIU, Chih-Kai Prof. CHEN, Shih-Hung Dr LAU, Wai-Keung Dr CHIANG, Wei-Yuan Mr TENG, Shan You	
<b>[219] Development of the RF Systems for the PoFEL Accelerator</b>	SZEWINSKI, Jaroslaw	
<b>[46] Optimization in the Structure of Klystron Drive Signal to Extend RF Pulse Flattop Length at the European XFEL</b>	Dr VOGEL, Vladimir AYVAZYAN, Valeri BRANLARD, Julien BUTKOWSKI, Lukasz CHOROBA, Stefan HARTUNG, Jens Mr WALKER, Nicholas WIESENBERG, Steffen BOUSONVILLE, Michael CHEREPENKO, Andrey GOELLER, Sebastian	
<b>[45] Application of Machine Learning in Longitudinal Phase Space Prediction at the European XFEL</b>	ZHU, Zihan	
<b>[97] The SASE3 Soft X-Ray Beamline at European XFEL: Monochromatic Operation</b>	GERASIMOVA, Natalia	
<b>[98] Correlation of Orbit Disturbance in the Photoinjector with SASE Performance at the European XFEL</b>	Dr CHEN, Ye	
<b>[173] Design of the Innovative Apple-X AX-55 for SABINA Project, INFN Laboratori Nazionali di Frascati</b>		