IPAC'23 - 14th International Particle Accelerator Conference

Wednesday 10 May 2023

Wednesday Poster Session: WEPA - Salone Adriatico (16:30 - 18:30)

[id] title	presenter	board
[2619] RF CM Test Program at ESS TS2	WANG, Muyuan	
[950] Design of a parallel-feeding deflecting cavity with variable polarization	LIU, Focheng	
[2666] RF preparation of QWR cavities for beam commissioning	KIM, Heetae	
[976] Investigation of the fabrication method for the 3rd harmonic superconducting double-cell cavity	HAN, Junho	
[1538] Production of the 1.5 GHz fundamental power couplers for VSR demo	SHARPLES-MILNE, Emmy	
[893] Design and commissioning of a new SRF cavity for a conduction-cooled system	STILIN, Neil	
[1387] Demonstration of Beam Emittance Optimization using Reinforcement Learning	MARCATO, Davide	
[1245] Test stand for conditioning high power tetrodes at TRIUMF	AVRELINE, Nikolai	
[1267] Beam-beam long-range wire compensators in LHC Run 3	BELANGER, Philippe	
[2094] Improved waveforms for barrier-bucket systems	BREITKREUTZ, Bernd	
[2230] Design, fabrication and mechanical tests of TIG-welded Ka-band accelerating structures for ultra-high gradient applications	GIULIANO, Lucia	
[1442] Active deep learning for nonlinear optics design of a vertical FFA accelerator	SANTAMARIA GARCIA, Andrea LAGRANGE, Jean-Baptiste HIRLAENDER, Simon	
[749] Multipacting analysis of the SNS drift tube linac (DTL) RF vacuum window using Spark3d	TOBY, George	
[1693] INFN-LASA R&D on high-Q cavities for the PIP-II project	SERTORE, Daniele BERTUCCI, Michele	
[2318] Landau damping with a transversely gaussian pulsed electron lens	GUBAIDULIN, Vadim	
[2194] Multipactor studies for the FCC–ee superconducting swell cavities	PLAÇAIS, Adrien	
[990] Vertical tests of the 166.6 MHz HOM-damped Prototype SRF Cavities for HEPS	GUO, Lin	
[1189] Measurements of longitudinal Loss of Landau damping in the CERN Proton Synchrotron	INTELISANO, Leandro	
[1715] Thin films on HOM antennas to push the limits for higher beam currents at MESA	PLATTNER, Paul	
[2306] Space-charge limit in hadron synchrotrons induced by a gradient error	RABUSOV, Dmitrii	
[2514] Impact of the neutral molecule trapping on beam lifetime and beam profile	FRANCHETTI, Giuliano ZIMMERMANN, Frank	
[1917] Polarized electron injector for positron production at CEBAF	KAZIMI, Reza	
[1740] The Optical Stochastic Cooling Program at Fermilab	JARVIS, Jonathan	

[626] A machine learning approach to shaping magnetic fringe fields for beam dynamics control	GALLAGHER, Thomas	
[620] HOM dampers design for the MAX IV 100 MHz RF cavities	DE OLIVEIRA CAIAFA DUARTE, Henrique	
[1656] A modified round to flat beam transformation lattice for angular dispersion induced microbunching technique	SUN, Hao	
[1913] Two Dimensional Transient CSR Simulation in Julia	LOU, William	
[2242] Electron cloud observations and mitigation for the LHC Run 3	JOHANNESSON, Sofia	
[2570] Round-to-flat and flat-to-round beam transformations at the Argonne Wakefield Accelerator Facility	POWER, John	
[1214] CSR-induced projected emittance growth study for the beam switchyard at the European XFEL	LONG, Tianyun	
[1768] Development and characterisation of advanced coatings for high energy physics applications	PEREZ FONTENLA, Ana Teresa	
[2062] Characterisation facilities for evaluating superconducting thin films for SRF cavities	MALYSHEV, Oleg	
[2026] 166.6 MHz HOM damped copper cavity designed for 4th generation synchrotron radiation sources	ZHU, Junyu	
[2449] Microwave driven space-charge compensation with optical diagnostics and feedback	MORRIS, Dean	
[2475] Microbunching gain evaluation of bunch stretcher designs	DEITRICK, Kirsten	
[2434] Commissioning of SupraLab: SRF cavity processing and testing facility at HZB	TAMASHEVICH, Yegor	
[1882] Beam dynamics study of the high-power electron beam irradiator using niobium-tin superconducting cavity	Dr HONDA, Yosuke	
[1316] Removal of BCP defects for the 166.6 MHz HOM-damped quarter-wave srf cavities	ZHANG, Xinying	
[2632] ESS ellyptical cryomodules field emission campaign measurements	MAIANO, Cecilia	
[934] Upgrades of S-band Accelerating Structures and Pulse Compressors in the Electron and Positron Injector Linac of KEK	EGO, Hiroyasu	
[1464] Bimodal design of 500 MHz and 1.5 GHz normal conducting RF cavity for advanced synchrotron radiation facilities	FANG, Wencheng	
[2404] Nb3Sb conduction cooled SRF photogun for UEM/UED status update	KOSTIN, Roman	
[732] Study of LHC e-cloud instabilities using the linearised Vlasov method	JOHANNESSON, Sofia	
[2303] Towards fully differentiable accelerator modeling	GONZALEZ-AGUILERA, Juan Pablo	
[1194] Updates of high-density temperature and X-ray mapping	IWASHITA, Yoshihisa	
[2278] Parallel prediction of beam spot with neural networks and PCA at TTX	SONG, Chuangye GU, Shaohong	
[895] Characterization of high dynamic range beam emittance	ALEKSANDROV, Alexander	
[1976] Linear accelerator simulation code AVAS	JIN, Chao	
[1719] Progress of High Power FPC development for ERI SRF Cavities	XU, Wencan	
[1763] Origins of quench in buffered chemical polished and low temperature baked SRF cavities	HU, Hannah	

[2069] Transient beam loading studies in view of the Elettra 2.0 upgrade project	LONZA, Marco	
[2511] Macroparticle collisionality in PIC solver	FRANCHETTI, Giuliano	
[2355] Mechanical Polishing of Nb3Sn Thin-Film Cavities	VIKLUND, Eric	
[2322] Nb3Sn on Cu Coating By Magnetron Sputtering From Target Synthesized via Liquid Tin Diffusion	PIRA, Cristian	
[1289] The optimization of the bronze-method Nb3Sn coatings on Cu substrates	LU, Ming	
[1801] REBCO sample testing for a HTS high Q cavity	Dr SCHNEIDER, Mitchell	
[954] Data intensive science and particle accelerators: driving science and innovation	Prof. WELSCH, Carsten	
[1132] RF design of the waveguide network for the klystron-based CLIC module	WANG, Ping	
[2576] Gamma diagnostic development for ESS cryomodule prototypes in CEA Saclay	BOSLAND, Pierre	
[1805] Low-power model tests of the wide-band cavity to compensate the transient beam loading in the next generation light sources	NAITO, Daichi	
[1755] Numerical design of a compact TE11-to-TM01 mode converter for THz-driven electron acceleration	KELLERMEIER, Max Joseph	
[1516] Surface treatment experience of the all superconducting gun cavities	VOGEL, Elmar	
[1691] RF and beam dynamics considerations for the cavity end group of the all superconducting DESY gun	BAZYL, Dmitry	
[1770] HOM power in the EIC crab cavity system	XIAO, Binping	
[1825] Modeling of the amplified optical stochastic cooling experiment at IOTA	DICK, Austin	
[1006] Overview of material choices for HL-LHC collimators	ACCETTURA, Carlotta	
[941] RF Measurements of the 3rd Harmonic Superconducting Cavity for a Bunch Lengthening	YOON, Junyoung	
[2121] Beam dynamics study of a CW L-band SRF gun for the high duty cycle EuXFEL	GJONAJ, Erion	
[1971] Study of high-intensity bunch merging and its experimental application on rapid cycling synchrotrons	FRANCHETTI, Giuliano YUAN, Yaoshuo	
[1733] Flux expulsion and material properties of Niobium explored in 644-650 MHz cavities	MCGEE, Kellen	
[2378] Electron cloud measurements in Fermilab booster	SHARANKOVA, Ralitsa	
[1318] Harmonic RF cavity design for 4th Generation Synchrotron Light Sources	HAO, Xuerui	
[2618] Results of the elliptical cryomodule qualification at the ESS TS2	ELIAS, Nuno	
[1508] Successful Al2O3 coating of superconducting niobium cavities by thermal ALD	DEYU, Getnet	
[987] Frequency pre-tuning of the 166.6 MHz hom-damped srf cavities for HEPS	GUO, Lin	
[972] Irradiation tests of a cavity core material and GaN devices in J-PARC Main Ring	OHMORI, Chihiro	
[777] Numerical calculation of the Lorentz force detuning and the pressure sensitivity for the HL-LHC crab cavity	GUILLEN HERNANDEZ, Teresa	
[1589] The collaborative effects of intrinsic and extrinsic impurities in low RRR SRF cavities	HOWARD, Katrina	
[1430] A low energy linac solution for 3D scanning applications	SMITH, Samuel	

[1346] Design and Layout of TDS System for DALS-pre	LI, Zongbin	
[1831] Emittance exchange with periphery cut for high-brightness beam	POWER, John	
[1351] Basic high-power design of a 1.5-GHz TM020-type harmonic cavity for the KEK future light source	YAMAGUCHI, Takaaki	
[1890] Simulations of radiation reaction in inverse Compton scattering	BREEN, Elizabeth	
[1547] Split 6GHz SRF thin film cavities	SIAN, Bhagat-Taaj	
[1863] Plasma cleaning efforts at Fermilab	GIACCONE, Bianca	
[2159] Electrodeposition of copper on Niobium for cryocooler application	PRUDNIKAVA, Alena	
[2506] BDSIM v1.7.0 developments for the modelling of accelerators and their environment	SHIELDS, William	
[1837] Development of RF Fundamental Coupler for 325 MHz Superconducting Single Spoke Resonator	DO, Heejin	
[1131] RF design of the pulse compression system for the klystron-based CLIC main linac	WANG, Ping	
[1920] Magnetic alloy core loaded 2nd harmonic cavity design and testing for CSNS-II RCS	WU, Bin	
[643] Dielectric Assist Accelerating structures for compact linear accelerators of low energy particles in hadrontherapy treatments	MARTINEZ-REVIRIEGO, Pablo	
[2092] RF design of a compact C-band RF pulse compressor for a VHEE linac for flash radiotherapy	TORRISI, Giuseppe	
[2667] RF superconducting cavity and zero-temperature physical phenomena	KIM, Heetae	
[2380] Multi-physics simulation of quadrupole resonators in the time domain under uncertainties	PUTEK, Piotr	
[2237] Surface characterization of mid-T heat treated Nb samples to investigate the origin of residual resistance	GHANBARI, Rezvan	
[1163] RF Tuning for the SNS LINAC RFQ	NARAYAN, Amith	
[2490] Measurements at peak operational beam current in the SNS beam test facility	HOOVER, Austin	
[2546] Impact of multiple beam-beam encounters on LHC absolute-luminosity calibrations by the van der Meer method	WANCZYK, Joanna	
[1428] Scattered field formulation for wakefield and space charge calculations	CHRIST, Jonas	
[1361] Accelerating dynamic aperture evaluation using deep neural networks	DI CROCE, Davide	
[1211] PyTao: the Python interface to Tao	MAYES, Christopher	
[1756] Detailed characterization of a five-dimensional phase space distribution	HOOVER, Austin	
[2675] Electron beam transport modeling in a linear induction accelerator for X-ray flash radiography	ALVINERIE, CLARA-MARIE	
[2090] Bloch equation for the description of linear coupling in storage rings	KUSKE, Peter	
[1737] Symplectic neural surrogate models for beam dynamics	Dr BATYGIN, Yuri	
[612] Physics-constrained 3D convolutional neural networks for electrodynamics of relativistic charged particle beams	Dr SCHEINKER, Alexander	
[1754] Efficient computation of two-dimensional coherent synchrotron radiation with neural networks	ROBLES, River	

[1198] Systematic study of longitudinal excitations to influence the microbunching instability at KARA	SANTAMARIA GARCIA, Andrea	
[2413] Demonstration of Flat/Round Transformations of Angular Momentum and Space Charge Dominated Electron Beams	O'SHEA, Patrick	
[1828] Electron microbunching using amplified optical stochastic cooling	DICK, Austin	
[2499] Prediction of superconducting magnet quenches with machine learning	KILPATRICK, Matthew	
[2098] Time-resolved measurement and simulation of a longitudinal single-bunch instability at the MAX IV 3 GeV ring	BROSI, Miriam	
[1965] Tools for integrated simulation of collimation processes in Xsuite	ABRAMOV, Andrey	
[1832] Arbitrary transverse and longitudinal correlation generation using transverse wiggler and wakefield structures	POWER, John	
[781] Beam-ion Instabilities and Their Mitigation for SOLEIL II	GUBAIDULIN, Vadim	
[1713] Model of a dynamic orbit correction system based on neural network in CLS	BOLAND, Mark	
[1578] Instability mitigation using octupoles in bunches with space-charge	KORNILOV, Vladimir	
[685] Generalized gradient map tracking in the Siberian snakes of the AGS and RHIC	SAGAN, David	
[2017] Reinforcement control for LEBT and RFQ of linear accelerators	SU, Chunguang	
[1532] A bead-pulling test stand for s-band cavities	WITTIG, Cedric	
[2215] Self consistent effects in the ponderomotive acceleration of electron beams	ALMANSA, Ivanessa	
[2093] Calculation of beam sizes in coupled electron storage rings	KUSKE, Peter	
[1889] DFCSR: A Fast Calculation of 2D/3D Coherent Synchrotron Radiation in Relativistic Beams	TANG, Jingyi	
[1025] The mechanism of non-uniform distribution of tin sites on the surface of niobium during the nucleation process	WU, Shuai	
[2078] PLACET3: 6D tracking through PETS and accelerating structures wakefields	COSTA, Raul	
[2528] Hellweg improvements for 3D traveling wave linac design with beam loading	KUTSAEV, Sergey	
[702] Electron cloud build-up studies for FCC-ee		
[1901] Numerical simulations of radiation reaction using Lorentz-Abraham-Dirac formalism	ROGERS, Emerson	
[914] Statistical Parameter Fluctuation of Random Processes	DENG, Xiujie	
[2115] A 100 mA RFQ Beam Dynamics Design with Small Output Beam Emittance	GONG, Lingyun	
[920] Modelling the experimental data for long-range beam-beam wire compensators at the CERN LHC with diffusive models	MONTANARI, Carlo Emilio	
[1955] OPAL and Future Directions Towards the Exascale Area	ADELMANN, Andreas	
[758] Simulation of shot noise effects in the EIC strong hadron cooling accelerator using real number of electrons	QIANG, Ji	
[1191] Longitudinal loss of Landau damping in the CERN super proton synchrotron at 200 GeV	INTELISANO, Leandro	
[2144] Emittance compensation in a high charge TOPGUN photoinjector	ANISIMOV, Petr	

[692] Suppression of microbunching instability based on optimized velocity bunching in linac-driven FELs	CHENG, Wencai	
[1114] Longitudinal microwave instability with long bunches in the CERN Proton Synchrotron	VINTEN, Evin	
[2000] Turn-by-turn measurements of the energy spread at negative momentum compaction factor at KARA	PATIL, Meghana	
[2277] XRR Analysis of Al2O3 coated and mid-T heat treated niobium for future implementation in SIS-based SRF cavities	ZAIDMAN, Artem	
[919] Recent measurements and analyses of the beam-halo dynamics at the CERN LHC using collimator scans	MONTANARI, Carlo Emilio	
[1075] Current Status of the Beam Dynamics Simulations for the HBS Drift Tube Linac	KÜMPEL, Klaus	
[854] Neural networks for ID gap orbit distortion compensation in PETRA III	VEGLIA, Bianca	
[1436] V3Si Thin Films for SRF Applications	VALIZADEH, Reza	
[2536] Review of SRF technology developed for accelerators applied to searches for dark matter and other beyond the standard model physics	GIACCONE, Bianca	
[1896] In-Situ Pulse-to-Pulse Evaluation Method on Cavity Parameters of the RF Pulse Compressor	BANDO, Yusei	
[2001] Development of an S-band accelerating structure for Hefei Advanced Light Source facility	WU, Fangfang	
[2609] Analytic and numerical calculation of collider luminosity with CRAB dynamics	HUANG, He	
[2599] Hybrid beamline element ML-training for surrogates in the impactX beam-dynamics code	SANDBERG, Ryan	
[2097] Machine learning-based optimization of storage ring injection efficiency	SCHIRMER, Detlev	
[2046] Beam dynamics optimization of EuPRAXIA@SPARC_LAB RF injector	SILVI, Gilles Jacopo	
[1987] Injection optimization via reinforcement learning at the cooler synchrotron COSY	AWAL, Awal	

Wednesday Poster Session: WEPL - Sala Laguna (16:30 - 18:30)

[id] title	presenter	board
[632] Orbit-response based optics corrections for FCC-ee	MUSA, Elaf	
[2022] Benchmarking for CODAL beam dynamics code: laser-plasma accelerator case study	GUYOT, Coline	
[983] Transverse impedance and beam stability studies for the muon collider ring	AMORIM, David	
[1519] Beam dynamics in the NEWGAIN project at GANIL-SPIRAL2	DUMAS, Jonathan KAMALOU, Omar ORDUZ, Angie TRAYKOV, Emil	
[2488] Progress of High-Efficiency L-Band IOT Design for Accelerator Applications at SLAC	OTHMAN, Mohamed	
[1373] Simulation Studies of the Particle Dynamic in Beam: Internal Target and Beam-Beam Interactions in the Figure-8 Storage Ring(F8SR)	SCHULTE-URLICHS, Kathrin	
[641] The MAX-IV linac with variable bunch compressors	DIXON, Adam	

[1525] Design, fabrication and measurement of a normal conducting quadrupole for a laser-plasma-accelerator-based beam transport line	FATEHI, Samira	
[1252] Study of the systematic error contributions to the measurement of beam size using sextupole magnets	SAGAN, David	
[2357] Higher-order spin depolarization analysis		
[1134] Simulation studies on longitudinal beam dynamics manipulated by corrugated structures under different bunch length conditions at KARA	MAIER, Sebastian	
[2423] Progress on Thor SCSI development	SCHNIZER, Pierre	
[1366] Transverse coupled-bunch instability driven by the resistive wall impedance at SuperKEKB	MIGLIORATI, Mauro	
[1758] Loss simulations on shielding foil slit errors	BAHRDT, Johannes VOLZ, Paul GRIMMER, Stefan	
[943] Error study on Hefei Advanced Light Facility storage ring	YANG, Penghui	
[2718] Russian quadruplet based electron optics for ultrafast electron microscopy	FAN, Kuanjun YUAN, Yi	
[581] Analytic calculations of RDT and detuning generated by beam-beam collisions and wire correctors	KALTCHEV, Dobrin BELANGER, Philippe STERBINI, Guido	
[2673] ALBA beam lifetime optimization using RCDS	BENEDETTI, Gabriele	
[970] Stability survey of a double RF system with RF feedback loops for bunch lengthening in a low-emittance synchrotron ring	YAMAGUCHI, Takaaki	
[935] Study of beam-beam interaction in FCC-ee including updated transverse and longitudinal impedances	MIGLIORATI, Mauro	
[566] Status of the SOLEIL II robustness studies	BLANCO-GARCÍA, Oscar	
[1034] The impact of the resistive-wall impedance on the ILSF storage ring	DASTAN, Sara	
[1821] Advances in a perturbation theory for the microbunching instability in free-electron laser injectors	VOGT, Mathias	
[1443] A Python API for the particle tracking code PLACET	PASTUSHENKO, Andrii	
[981] Transverse impedance and beam stability studies for the muon collider Rapid Cycling Synchrotrons	AMORIM, David	
[1350] The status of the impedance model for the HALF storage ring.		
[1113] Transverse instabilities at injection energy in the CERN-SPS: lessons learned during high intensity studies	ZANNINI, Carlo	
[1105] Transverse beam coupling impedance studies at the CERN Proton Synchrotron Booster after the LHC Injectors Upgrade	ZANNINI, Carlo	
[1695] Strongly curved super-conducting magnets: beam optics modeling and field quality	VERES, Dora	
[1081] The effect of insertion devices on beam dynamics for Elettra 2.0	Dr MANUKYAN, Koryun	
[1064] Resistive wall impedance of multilayer beam pipes of general cross sections	RAJABI, Ali	
[2424] Describing curved magnetic fields	SCHNIZER, Pierre	
[2348] Analysis of Linear Induction Accelerator Physics with Field-Adapted Coordinate Transformations	LITTLETON, Sean	
[1295] Impedance measurements of key elements in the HEPS	WANG, Na	

[1106] The canonical formulation of Lagrangian for beam-wave interaction in slow wave structure	SALEM, Mohammed	
[1121] Phase space control of transverse resonance island buckets at CESR	WANG, Suntao	
[1088] Studies of coupled-bunch instabilities in the HEPS booster	XU, Haisheng	
[1726] Nonlinear optics from hybrid dispersive orbits	LI, Yongjun	
[2421] Commissioning of orbit feedforward system for HEX superconducting wiggler at NSLS-II	HIDAKA, Yoshiteru	
[538] Simulation of the field enhancement effect in type II superconductors for SRF applications	HARBICK, Aiden	
[1303] Improvements to the commissioning simulations of the APS Upgrade storage ring	SAJAEV, Vadim	
[2372] RUEDI microscopy: solenoids or quadrupoles?	JONES, James	
[2321] An Analysis of Methods to Generate a 4D Transverse Phase Space Distribution with Angular Momentum	DU, Yu	
[1461] Update on the lattice design process of BESSY III: towards a baseline lattice	Dr GOSLAWSKI , Paul	
[1728] Study of the combined effect of intrabeam scattering and impedance in a low-emittance ring	BASSI, Gabriele SMALUK, Victor	
[930] Status of MAD-X V5.09	DE MARIA, Riccardo	
[1145] Ion trapping and instabilities in SLS 2.0	DEHLER, Micha	
[1128] Beam-induced heating mitigation of the SPS kickers: a crucial upgrade to move towards HL-LHC beam intensities	ZANNINI, Carlo	
[1302] Measurement and simulations of the energy variation-induced orbit motion in a low momentum compaction APS lattice	SAJAEV, Vadim	
[597] Development of an ion-optical achromat for high-energy proton imaging	Dr SCHANZ, Martin	
[1349] Potential and constraints of a beam-beam wire compensator in the HL-LHC era	STERBINI, Guido	
[1800] Improved measurements of nonlinear integrable optics at IOTA	WIELAND, John	
[2170] Design and validation of the LEBT for the project LINAC 7, a low-current low-energy compact LINAC	ARREDONDO, Iñigo SEARA EIZAGUIRRE, Jose Mari	
[2647] An improved method for linear optics and coupling correction based on closed orbit modulation	HUANG, Xiaobiao YANG, Xi	
[2521] Coupler design for THz DLW LINACs	VAHDANI, Mostafa	
[944] DDBA-H6ba lattice for the nanometer-emittance design of Hefei Light Source	YANG, Penghui	
[1798] Experimental 4D tracking of a single electron in IOTA	ROMANOV, Aleksandr	
[1717] Further aspects of the deterministic lattice design approach for BESSY III	KUSKE, Bettina	
[1364] Korea-4GSR Lattice Update	JANG, Gyeongsu	
[2429] Adjoint optimization of circular lattices	ANTONSEN, Tom	
[1138] Longitudinal beam dynamics for different initial distributions at cSTART	HAERER, Bastian	
[1079] Employing octupole magnets for nonlinear optimization of Iranian Light Source Facility storage ring	NOORI, Kowthar	
[650] Analysis of a double-resonance crossing for beam splitting	CAPOANI, Federico	

[649] The adiabatic theory of the nonlinear coupling resonance crossing in circular accelerators	CAPOANI, Federico	
[1379] General method of short-range wakefield calculation for corrugated structures of arbitrary shape	QIN, Weilun	
[2459] Development of Nonlinear Optics Simulation Using the Accelerator Code ACE3P	SHUMAIL, Muhammed	
[1280] Upgrade the impedance model in RCS of CSNS	LIU, Hanyang	
[2163] Experimental demonstration of a straight-merger beamline	DEITRICK, Kirsten	
[2224] Derivation and interpretation of parameters describing betatron mismatch and chromaticity	CARLI, Christian	
[2347] Status and extended beam dynamics scenarios for the second injection beam line at MESA	KALAMAIKO, Anatolii	
[1158] Dynamic aperture studies for the first run of High Luminosity LHC	STERBINI, Guido	
[2558] Coupled-bunch longitudinal instabilities with a harmonic cavity	LINDBERG, Ryan	
[1412] Head-tail mode zero instability growth rate studies in the CERN SPS	ZANNINI, Carlo	
[514] Analyzing and optimizing dynamic aperture based on minimizing the fluctuation of resonance driving terms	WEI, Bingfeng	
[2267] Analysis of single-bunch instabilities for Diamond-II	RABUSOV, Dmitrii	
[1312] Impedance modeling for Korea's fourth-generation storage ring	LEE, Jaeyu	
[593] Re-design of CEBAF optics for ER@CEBAF	Dr SATOGATA, Todd	
[1449] Evaluation of the impact of REBCO-coated conductors on the resistive wall impedance of the FCC-hh	TAGDULANG, Nikki	
[2019] Transport Line for Laser-Plasma Acceleration Electron Beam	GUYOT, Coline	
[1893] Update of the RF-Track particle tracking code	OLIVARES HERRADOR, Javier	
[1643] Progress of the FCC-ee optics tuning working group	TOMAS, Rogelio	
[2123] Amplitude dependent tune shift measurements at KARA	MAIER, Sebastian	
[1846] BPM offset measurements at rapid cycling synchrotron in China Spallation Neutron Source	XU, Shou	
[1526] Further investigations of TRIBs in BESSY III design MBA lattices	Dr GOSLAWSKI , Paul	
[1622] The impact of magnetic errors on the electron ion collider rapid cycling synchrotron	LOVELACE III, Henry LIN, Fanglei MONTAG, Christoph RANJBAR, Vahid	
[1667] Beam Breakup Studies for the C3 Linear Collider	BOSCO, Fabio	
[792] Studies of FCC-ee single bunch instabilities with an updated impedance model	RAJABI, Ali MIGLIORATI, Mauro	
[1848] Modeling for the phased injector upgrade for 12 GeV CEBAF	KAZIMI, Reza	
[819] Simultaneous Compensation of Third-Order Resonances at the FNAL Recycler Ring	GONZALEZ-ORTIZ, Cristhian	
[1559] Fast RF tracking functions	SOUTHERBY, Matthew	
[651] Numerical simulations of transverse nonlinear beam manipulations at the CERN PS	CAPOANI, Federico	

[1613] Design and optimization of diffraction-limited storage ring lattices based on many-objective evolutionary algorithms	WANG, Jike	
[2218] Limitations of radial magnetic field estimates from counter-rotating beams in an electro-static EDM ring	CARLI, Christian	
[1653] Nonlinear Dynamics of Scaling FFAs	TOPP-MUGGLESTONE, Max	
[881] Online optimization of SIRIUS nonlinear optics	LIU, Lin	
[2024] Exploration of beamline configuration space for identifying robust quadrupole configurations	Dr SAPINSKI, Mariusz	
[1912] Combining multi-objective genetic algorithm and neural network dynamically for the complex optimization problems in accelerator physics	WANG, Jike	
[666] Coupled bunch stability with variable filling patterns in PETRA IV	ANTIPOV, Sergey	
[737] Mini-beta optics for the European Synchrotron Radiation Facility	WHITE, Simon	
[1696] Beam coupling impedance contribution of flange aperture gaps: a numerical study for Elettra 2.0	CLEVA, Stefano	
[1415] A generalized tool to compute wake potential and impedance from electromagnetic time domain simulations	ZANNINI, Carlo	
[921] Magnetic field tools, a C++/Python library for magnetic field processing	LE BEC, Gaël	
[1463] Robust design of modern Chasman-Green lattices – a geometric control theory approach	Dr GOSLAWSKI , Paul	
[1838] Current status of the storage ring design of Korea-4GSR	Dr KIM, Jaehyun	
[774] Impact of Crab Cavity RF noise on the transverse beam profiles in the HL-LHC	FORNARA, Andrea	
[579] Generalized Gradient Field Description Using the Bmad and PTC Toolkits	SAGAN, David	
[1492] Beam loading effects in standing-wave linacs and their implementation into the particle tracking code RF-Track	OLIVARES HERRADOR, Javier	
[778] Impedance-induced beam observables in the CERN Proton Synchrotron	JOLY, Sébastien	
[2057] Application of beam-based alignment to the CLEAR facility	MALYZHENKOV, Alexander	
[2047] Analytical potential model for the Radio-Frequency Quadrupole at the European Spallation Source	LAFACE, Emanuele	
[1542] A Microwave Test Bench for the Electromagnetic Characterization of Elettra 2.0 Diagnostics and Vacuum Chamber Components		
[1936] Beam loading simulations in PyAT for the ESRF	WHITE, Simon	
[1172] Characterization of the longitudinal beam coupling impedance and mitigation strategy for the fast extraction kicker KFA79 in the CERN PS	NERONI, Michela	
[925] Helical undulator combined with a multilayer cylindrical waveguide.	GRIGORYAN, Armen IVANYAN, Michael	
[2559] Adiabatic capture of longitudinal phase space	ZENO, Keith KOSCIELNIAK, Shane	
[1625] Impact of two-dimensional decoherence on the measurement of resonance driving terms	TOMAS, Rogelio	
[723] Status and recent developments of python Accelerator Toolbox	WHITE, Simon	
[851] ALBA-II first tolerance studies	BENEDETTI, Gabriele	
[1099] Impedance characterization of the RF-shielded bellows for Sirius SRF cavities	CARVALHO DE ALMEIDA, Iago	

[1490] Characterization of transverse profiles along the LHC injector chain at CERN	ZANNINI, Carlo	
[2006] Orbital Stability Analysis of Three Beamlines in Beam Distribution System of SHINE Facility	FU, Xiaoxi	
[1721] Model-independent determination of solenoid offsets in the Sealab Injector	KUSKE, Bettina	
[753] High angular magnification for accessing structural information in Ultrafast Electron Diffraction	DUNCAN, Cameron	
[1499] Resistive-wall instability evaluation along the ramp in the SOLEIL II booster	FOOSANG, Watanyu	
[813] Analysis of the Diamond-II booster dipole magnets	MARTIN, Ian	
[1592] Impedance analysis of deformable RF contact bridges for high luminosity LHC	NERONI, Michela	
[1480] New Geant4 Simulation Model of Electromagnetic Processes in Oriented Crystals and its Applications in Accelerator Physics	SYTOV, Alexei	
[891] Quadrupolar multibunch detuning in the ALBA storage ring	PEREZ, Francis	
[669] Dynamic aperture predictions with echo state networks	DALENA, Barbara	
[779] Overview of transverse instabilities in the CERN Proton Synchrotron	JOLY, Sébastien	
[1353] Instability consideration in the presence of passive superconducting harmonic cavities	BAI, Zhenghe	
[1933] High accuracy optics measurement in J-PARC MR for 1.3 MW upgrade plan	ASAMI, Takashi	
[1673] Advanced studies for the dynamics of high brightness electron beams with the code MILES	BOSCO, Fabio	
[1535] Scaling fixed-field alternating gradient-type magnets for transportation of laser-plasma accelerator electron beams	FATEHI, Samira	
[924] Dispersion relations for a cylindrical waveguide with multilayer walls	GRIGORYAN, Armen IVANYAN, Michael	
[2467] Bunch lengthening by a third-harmonic cavity in a low-emittance ring	BASSI, Gabriele	
[898] Relativistic beam loading and recoil effects using a covariant, retarded-potential iterator	LAFACE, Emanuele	
[1860] Post-linac beam collimation study at the beam distribution section of SHINE	YAN, Bingyang	
[2304] Longitudinal beam dynamics studies with a third harmonic RF system for ALBA-II	SOLANS, Pol	
[2465] Analytical formulae for the longitudinal impedance of two parallel layers with arbitrary complex permittivity and permeability	BASSI, Gabriele	
[2329] Beam study on low dispersion CEBAF arcs	Dr SATOGATA, Todd	
[1369] Field-adapted coordinate transformations for rotating and accelerating beams	LITTLETON, Sean	
[1729] Linear optics compensation for the HEX superconducting wiggler at NSLS-II	LI, Yongjun	
[2325] Differentiable beam optics optimization and measurement	KUKLEV, Nikita SAJAEV, Vadim	
[806] Emittance reduction of the actual Booster for Elettra2.0	Dr KRECIC, Stefano	
[2035] Design of the gradient dipole magnet for LLICTF	CHU, Yimeng	

[1118] Progress on the 6BA lattice for ALBA-II	BENEDETTI, Gabriele	
[1621] A space charge forces analytical model for emittance compensation	CARILLO, Martina	
[1602] Transfer line design for EuPRAXIA@SPARC_LAB	ROSSETTI CONTI, Marcello	
[526] CEBAF Injector Model for K-Long bunch charge at 200 kV	KAZIMI, Reza	
[1437] Progress on the New Booster for SOLEIL II	LOULERGUE, Alexandre	

Wednesday Poster Session: WEPM - Sala Mosaici 2 (16:30 - 18:30)

[id] title	presenter	board
[1511] Progresses and design development for the CERN ISOLDE beam dumps exchange	MARTIN RUIZ, Jose Maria	
[2527] Affordable, efficient injection-locked magnetrons for superconducting cavities	WESSEL, Jerry POPOVIC, Milorad KAHN, Stephen BLASSICK, Thomas WYNN, Tony	
[663] Pre-study of permanent dipole magnet at NSRRC	JAN, Jyh-Chyuan CHEN, Chih-Wei CHUNG, Ting-Yi HUANG, Jui-Che	
[1335] The record of RF transmitter power supply module maintenance in NSRRC	Dr CHANG, Fu-Yu	
[724] Status and upgrade of radio frequency system at Taiwan photon source	LIN, Ming-Chyuan	
[2615] Cryogenic Testing Infrastucture at UCLA	PARSONS, Jake	
[1583] Development of the first permanent bending magnet at BESSY II	VOELKER, Jens	
[577] A novel fiber-optic beam monitor	HOEHR, Cornelia	
[2589] Efficient RF components of solid-state amplifiers for Sirius storage ring's RF plant	CARVALHO DE ALMEIDA, Iago	
[1336] The design of DC power bus bar for solid state power amplifier in NSRRC	Dr CHANG, Fu-Yu	
[1752] Software architecture of FGC4, CERN’s next-generation power converter control platform	CEJP, Martin	
[616] A nanosecond power supply for grid-controlled electron gun used in HALF	XU, Chunyu	
[1690] Large-aperture high-field NB3SN magnets for the 2nd EIC interaction region	BARZI, Emanuela	
[1089] Testing of a ZEPTO tuneable permanent magnet quadrupole at Diamond Light Source	BAINBRIDGE, Alexander	
[2350] High-oower modular GaN based power supply for MedAustron scanning magnets	MARGREITER, Thomas TEIXEIRA, Rui	
[1992] Reverse Engineering, a key and challenging step before the integration studies for old accelerators at CERN	APARICIO CANTALAPIEDRA, Gema	
[1996] Challenges and solutions in the integration studies of the future circular collider		
[607] Superbend magnet for Elettra 2.0	DASTAN, Sara Dr MODICA, Marco	
[2644] Bi-periodic undulator innovative insertion device for SOLEIL II	POTET, Angela	

[546] Status of magnet systems for Korea 4GSR	CHUN, Inwoo	
[1850] Development of a special power supply for the injector of compact X-ray source	SHAO, ZhuoXia	
[544] Operational experiences of two CPMUs at Taiwan Photon Source	HUANG, Jui-Che	
[596] Longitudinal impedance of nonlinear kicker for Hefei advanced light facility	SONG, Wen	
[1116] Magnetic measurement systems for Elettra 2.0	CAIAZZA, Domenico	
[1261] Finite element simulation of fast corrector magnets for Petra IV	CHRISTMANN, Jan-Magnus	
[1296] Construction and Installation of a 320kW Solid State Power Amplifier for Taiwan Photo Source.	Dr CHANG, Fu-Yu	
[1688] 20 T dipole magnet based on hybrid hts/lts cos-theta coils with stress management	BARZI, Emanuela	
[1276] Realization of temperature compensated TPS correction magnet power supply	LIU, Chen-Yao	
[886] Elettra 2.0: Magnet Power Converters strategy	CAUTERO, Marco	
[2664] Permanent magnet materials for green accelerator facilities	WEICKHMANN, Michael	
[1498] Development of a New Electromagnetic Extraction channel for the AGOR Cyclotron	JONES, Brian	
[1493] Target systems design for a high intensity facility in the CERN's ECN3 area	MARTIN RUIZ, Jose Maria	
[2557] Magnetic measurements of the ALS-U magnets	WALLÉN, Erik	
[2376] Cryogenic System of the NHa C400 Cyclotron	COSSON, Olivier CAILLIAU, Philippe	
[888] Adjoint perturbations and their applications to the design of vacuum RF sources	VLASOV, ALEXANDER	
[1076] Assessment of beam-intercepting device robustness for intensity increase in CERN’s North Area	SHARP, Calum	
[1262] Compact High Power RF Sources for Integrated Linear Accelerator Systems	WEATHERFORD, Brandon	
[1716] Architecture overview of the FGCDv2, CERN's brand-new power converters control framework	ZIELINSKI, Dariusz	
[1000] LHC low beta quadrupole magnets: cryogenic refrigeration capacity and improved controls for luminosity optimization	BRADU, Benjamin	
[638] Dipole quadrupole magnet design for Korea-4GSR	SUH, Hyung	
[586] Accurate, quasi-3D modeling of single-beam and multiple-beam klystrons and iots by the Tesla-family of large-signal codes	CHERNYAVSKIY, Igor	
[1938] Design of magnets for Hefei advanced light facility	XU, Hong-liang	
[2713] ESS spoke RF power station (400kwp@352mhz) soak testing: issues and mitigations	YOGI, Rutambhara	
[835] Using supervised machine learning in power converters design for particle accelerators – application to magnetic components design	AGUGLIA, Davide	
[1952] New SiC kicker power supply for J-PARC	TAKAYANAGI, Tomohiro	
[2682] Highly reliable industrial solid-state RF Amplifier for synchrotron light sources	NEDOS, Mirco	
[2728] Lattice considerations for synchrotron of XiPAF-upgrading project	LIU, Xiaoyu	

[995] Conceptual design of a super bend dipole magnet as a high-field radiation source for the ILSF storage ring	NOORI, Kowthar	
[1929] Development of Hall probe system for accurate field mapping at NSRRC	CHEN, Hsiung CHEN, Chih-Wei	
[1122] Status of the PETRA IV electromagnets	ALOEV, Alexander	
[1018] Status of magnets for WALS ring	CHEN, Yuan	
[1019] Design Progress on 50MW Pulsed Power C-band Klystron Gun and Magnet	IQBAL, Munawar Mr ZHANG, Zhandong	
[1396] Magnetic field measurements and radiation simulation for a superconducting transverse-gradient undulator	BERNHARD, Axel	
[1979] The CMS Enfourneur n.2: a Huge, Lean, and Safe Machine for LS3 ECAL Upgrade	BIANCO, Roberta	
[1481] Cross-talk between magnets in the H6BA-cell of PETRA IV	KEIL, Joachim	
[2140] Progress in development and measurement of an asymmetric magnet pole undulator	GEHLOT, Mona CHILUKAMARRI, Bindu	
[1479] Conceptual design of multipole injection kicker magnets for the ILSF storage ring	NOORI, Kowthar	
[1298] Development and progress of the high-power solid-state amplifiers for HEPS	LUO, Yuanli	
[1164] Damage experiment with superconducting sample coils - experimental setup and observations during beam impact	GANCARCIK, David	
[2154] CERN-MEDICIS: Operational indicators to support the production of new medical radionuclides by mass separation	DUCHEMIN, Charlotte STORA, Thierry	
[991] Synchrotron radiation properties of elliptically polarized undulator with a transverse field gradient	CHUNG, Ting-Yi	
[532] Open-midplane gradient permanent magnet with 1.53 T peak field	BERG, J.	
[2730] Study on XiPAF-upgrading synchrotron beam loss	LIU, Xiaoyu	
[2294] Status of MQXFB quadrupole magnets for HL-LHC	MILANESE, Attilio	
[2708] 80% reduction in CO2 footprint with Hybrid Current Leads	EKVALL, Torben	
[2593] What is needed for BISCO to work in a dipole insert for 20 tesla hybrid accelerator magnets	BARZI, Emanuela	
[1932] Status of superconducting magnets for super-FRS at FAIR	SUGITA, Kei	
[635] Research on hydrostatic leveling system to provide elevation constraints for control network adjustment	LI, Xiao	
[884] A new class of fast power converters for the Elettra 2.0 storage ring	CAUTERO, Marco	
[2590] Program Design of Timing Signal Detection and Protection for CSNS/RCS Resonant Power Supply	LI, JUN	
[1573] Thermal and mechanical analyses on a vacuum chamber in a compact superconducting undulator with HTS tapes	GRAU, Andreas	
[856] Logistics strategies for Elettra 2.0	VISINTINI, Roberto	
[2498] Superconducting magnets for SIS100 at FAIR – status update	ROUX, Christian SUGITA, Kei	
[1596] Energy deposition simulations for a damage experiment with superconducting sample coils	GANCARCIK, David	

[1323] DC septum magnet with low current density for the synchrotron light source	YAMAGUCHI, Hiroshi	
[873] Magnetic-field measurements and preliminary modelling for the operation of the high-order corrector magnets for HL-LHC	CHMIELINSKA, Agnieszka	
[1063] Characterization of the fast corrector dynamic response at the HEPS	HUANG, Xiyang	
[2327] Integrating hysteresis models into the Radia software	COOK, Nathan	
[1506] Upgrading magnet power supply system in J-PARC main ring	MORITA, Yuichi	
[1320] The RAON integrated control system	SON, Changwook	
[907] Magnet system for a 1.497 GHz injection-locked magnetron	KAHN, Stephen	
[1794] Evaluation of a high-power target design for positron production at CEBAF	VOUTIER, Eric	
[2595] Reliability analysis of digital controller for magnet power supply based on optocoupler failure	ZHAO, Guodong	
[678] A two harmonics circuit for the powering of the very fast RCS (Rapid Cycling Synchrotron) of the muon collider accelerator	BOATTINI, Fulvio	
[2079] Development of an octupole ceramics chamber with integrated pulsed magnet for beam injection	MITSUDA, Chikaori	
[2124] Design of permanent magnet dipoles-quadrupoles with longitudinal gradient for the PETRA IV storage ring	GEHLOT, Mona	
[773] HPRF SSPA System for RAON SRF cavities	SEOL, Kyungtae	
[2668] Characterization of in-vacuum wiggler for FAXTOR beamline at alba	MARCOS, Jordi PEREZ, Francis	
[2672] Impact of the applied drain voltage on combined solid-state power amplifier modules	BAUM, Felix	
[2038] Optimizing the filling factor in high energy colliders	TODESCO, Ezio	
[1983] High gradient hybrid halbach quadrupoles with a novel 3-Bit gradient tuning system	THOMPSON, Neil	
[772] Beam-Impact Validation of HL-LHC Collimator Materials: the "MultiMat-2" Experiment	ACCETTURA, Carlotta	
[704] Alignment Strategy for HALF	HE, Xiaoye	
[560] Conceptual frequency analysis-based predictive maintenance	MOSS, John TOBY, George LEE, Sung-Woo	
[2520] Installation and integrated testing of magnets for the ESS linac	JONES, Bryan	
[1835] Development of a GaN FETs based fully digital correction magnet power supply platform for taiwan photon source	LIU, Chen-Yao	
[1891] EIC crab cavity LLRF specifications	MASTORIDIS, Themis TOIVOLA, Matti	
[2112] Magnets for a muon collider	FABBRI, Siara	
[1478] Investigations on NbTi superconducting racetrack coils under pulsed-current excitations	ABUSAIF, Falastine	
[1931] High precision digital control magnet power supplies	KONDO, Chikara	
[1015] Designs and measurements of a new Superbend-magnet for WALS	XIANG, Pai	

[1274] Analysis of the bi-bridge topology and power device circuit of the TPS booster dipole power supply	LIU, Chen-Yao	
[1834] Jefferson Lab's 20A Bipolar Trim power supply for Very Low Inductance Load	KUMAR, Onish	
[1401] The high luminosity Large Hadron Collider project: from project to reality at CERN	APARICIO CANTALAPIEDRA, Gema	
[1370] Development status and constructional features in RF HPA for ALS-U project at LBNL	BASAK, shree subhasish	
[971] High-Order-Modes Damping in Superconducting Harmonic Cavity for HALF storage ring	WEI, Yelong	
[2683] High-efficiency industrial 130 kW cw solid-state RF amplifier for 1.3 GHz	NEDOS, Mirco	