

IPAC'23 - 14th International Particle Accelerator Conference

Monday, 8 May 2023

Monday Poster Session: MOPA - Salone Adriatico (16:30 - 18:30)

[id] title	presenter	board
[1416] The new Elettra 2.0 magnets	CASTRONOVO, Davide	
[2370] Adaptable gun pulser suitable for single bunch and programmed multibunch top-up and fill of storage ring light source	CHRISTOU, Chris	
[797] Motorized girder realignment test in the PETRA III storage ring	KEIL, Joachim WANZENBERG, Rainer	
[543] Transverse deflecting cavities for short X-ray pulses at Elettra 2.0	DI MITRI, Simone	
[1119] Extremum seeking for accelerator optimisation	VEGLIA, Bianca	
[993] Simulation study of the fringe field effects in the HEPS storage ring	JIAO, Yi	
[1591] Withdrawn; see below.	BENGTSSON, Johan	
[2627] Impact of the insertion devices operation on the ESRF-EBS equilibrium emittance	VERSTEEGEN, Reine	
[2269] Production of slow extracted beams for CERN's East Area at the Proton Synchrotron	DELRIEUX, Marc	
[1080] Alternative Diamond-II storage ring optics with high beta section for improved injection	MARTIN, Ian	
[1903] Construction and beam commissioning of the GeV-range test beamline at KEK PF-AR	MITSUDA, Chikaori	
[761] Effect of electron orbit ripple on proton emittance growth in EIC	LUO, Yun	
[1588] Operation of the ESRF-EBS light source	REVOL, Jean-Luc	
[782] Modernization of the NSC KIPT hard X-ray source facility	ZELINSKY, Andrey	
[2628] Protection of insertion devices against radiation damage at ESRF-EBS	VERSTEEGEN, Reine	
[953] Feasibility study of fast beam-based alignment using ac excitations in the HEPS	CUI, Xiaohao	
[788] Improved signal detection of the steady-state microbunching experiment at the Metrology Light Source	KRUSCHINSKI, Arnold KLEIN, Roman	
[917] Spin coherence and betatron chromaticity of deuteron beam in NICA storage ring	Mr KOLOKOLCHIKOV, Sergey	
[680] Path to high current 500 mA at NSLS-II	WANG, Guimei HIDAKA, Yoshiteru	
[1814] Bayesian optimization of the dynamic aperture in UVSOR-IV design study	KATOH, Masahiro	
[1594] Exploring the necessary conditions for steady-state microbunching at the Metrology Light Source	KRUSCHINSKI, Arnold	
[2691] Preliminary design of the FCC-ee vacuum chamber absorbers	MORRONE, Marco	
[1885] Modification of beam transport line design for simultaneous top-up injection to PF and PF-AR	HIGASHI, Nao	

[1905] Recent Progress of the Design and Relevant Research Activities for Southern Advanced Photon Source	WANG, Sheng	
[1243] Precise control of a strong X-Y coupling beam transportation for J-PARC muon g-2/EDM experiment	IINUMA, Hiromi	
[2508] Design and optimization of an ERL for cooling EIC hadron beams	MAYES, Christopher	
[2169] Lattice options for MLS II	CHAI SUEB, Natthawut	
[1712] Simulating Partially Coherent Undulator Radiation with Gaussian Random Fields	TREBUSHININ, Andrei	
[1694] Simulation test of various crab dispersion closure bumps for the hadron storage ring of the Electron-Ion Collider	LUO, Yun	
[584] Development of fast BBA for Diamond Light Source	APPLEBY, Joshua	
[703] PETRA III operation and studies in 2022	WANZENBERG, Rainer	
[937] Residual Gas Lifetime in the HEPS Storage Ring	WANG, Na	
[1232] Electron Storage Ring Collimation and Abort System design for the Electron Ion Collider	VALETTE, Matthieu	
[1307] Latest lattice design and optimization for Southern Advanced Photon Source storage ring	ZHAO, Yu	
[1457] BESSY III - status and overview	Dr GOSLAWSKI , Paul	
[534] Commissioning simulations tools based on python Accelerator Toolbox	LIUZZO, Simone	
[1941] The investigation of cavity frequency instability induced by vibrations	HUANG, Xiyang	
[1171] Two-photon undulator radiation	NAGAITSEV, Sergei	
[1310] Magnetic error corrections of the storage ring for the Southern Advanced Photon Source	CHEN, Jianliang	
[1704] Beam options for the REDTOP experiment	JOHNSTONE, Carol	
[1906] Demonstration of three-dimensional spiral injection for the J-PARC muon g-2/EDM experiment	MATSUSHITA, Ryota	
[1120] Problems and Considerations about the Injection Philosophy and Timing Structure for CEPC	LI, Meng	
[1686] Revisit the effects of 10 Hz orbit oscillation in the relativistic heavy ion collider	LUO, Yun	
[2014] Status of plasma diagnostics on the prototype plasma lens for optical matching at the ILC e+ source	HAMANN, Niclas	
[1683] Dynamic aperture evaluation for the EIC Hadron storage ring with two interaction regions	HAO, Yue LUO, Yun	
[1130] Development of bent crystal manipulation systems for beam collimation and extraction at CERN	DEMASSEIUX, Quentin	
[1679] Optimizing the design tunes of the electron storage ring of the Electron-Ion Collider	LUO, Yun	
[764] Off-energy operation of a HMBA lattice	HOUMMI, Lina	
[1907] Design of a permanent quadrupole magnet with adjustable magnetic field gradient	DONG, Shaoxiang	
[1231] RF techniques for spill quality improvement in the SPS	ARRUTIA SOTA, Pablo Andreas	
[1286] Simulation studies of first-turn commissioning for the HEPS storage ring	JI, Daheng	

[1491] Design and precision research of Hefei Advanced Light Source Precision control network based on GNSS and elevation measurement	DING, Ting	
[866] Demonstration of non-local crystal shadowing at the CERN SPS	ARRUTIA SOTA, Pablo Andreas	
[1420] 5 MeV Beam Transport System for MESA	MATEJCEK, Christoph	
[1593] Achromatic low energy merger for energy recovery linacs	ROSSETTI CONTI, Marcello	
[1068] Updates to Diamond-II storage ring error specifications and commissioning procedures	MARTIN, Ian	
[1324] The high-power test of CW 250 kW fundamental power couplers for HEPS 166.6 MHz superconducting quarter-wave beta=1 cavity	HUANG, Tong-Ming	
[1586] Transition jump system of the hadron storage ring of the electron ion collider	LOVELACE III, Henry BERG, J. PEGGS, Steve PTITSYN, Vadim	
[2622] Magnet design for the strong hadron cooler in the Electron-Ion Collider		
[2614] Muon momentum distribution from radial beam measurements in the Muon g-2 Storage Ring at Fermilab	TARAZONA, David	
[2687] Damping ring and transfer lines of FCC- + - injector complex	SPAMPINATI, Simone	
[2681] Progress on the TRIUMF high resolution mass separator beam commissioning	MARCHETTO, Marco	
[2433] Dynamic aperture studies for the EIC electron storage ring	BERG, J.	
[2272] Vertical bump orbit study on emittance of injection beam in transport line for the SuperKEKB main ring	MORI, Takashi	
[2211] Design of the new 18 MeV electron injection line for AWAKE Run2c	BENCINI, Vittorio	
[2513] Upstream Collimation in the M4 Line: Optimization, Extinction, and Mu2e Calibration	IZZO, Christopher	
[2315] Lattice and detector studies for the MDI of a 10 TeV muon collider	SKOUFARIS, Kyriacos	
[1745] Optimizing the beam intensity control by Compton back-scattering in e+/e- Future Circular Collider	ABRAMOV, Andrey ZIMMERMANN, Frank DREBOT, Illya	
[2487] Status of the second interaction region design for Electron-Ion Collider	Dr SATOGATA, Todd	
[1868] Multibunch Instabilities with Stepped Airbag Bunches	BALCEWICZ, Michael HAO, Yue	
[984] Study on the weighting determination of leveling control network adjustment and programming	WU, Enchen	
[957] A feasibility study into the Quasi-Frozen Spin regime of operation of the NICA storage ring	Mr KOLOKOLCHIKOV, Sergey	
[1569] Haissinski distribution of electron beam in Electron-Ion Collider and its impact on the Hadron beam	HAO, Yue	
[1174] Periodicity five lattice proposal for a cpedm prototype ring	CILENTO, Vera	
[786] Protection of extraction septa during asynchronous beam dumps in HL-LHC operation	FARINA, Edoardo	
[1339] Collimation system for the updated FCC-hh design baseline	ABRAMOV, Andrey	
[1337] Studies of layout and cleaning performance for the FCC-ee collimation system	ABRAMOV, Andrey	

[2156] Conceptual design of the magnetised iron block system for the SHADOWS experiment	STUMMER, Florian	
[916] ByPass optics design in NICA storage ring for experiment with polarized beams for EDM search	Mr KOLOKOLCHIKOV, Sergey	
[942] The effect of spin oscillations in a ring with a quasi-frozen spin and its influence on the procedure for searching for the deuteron EDM	Mr KOLOKOLCHIKOV, Sergey	
[964] Incoherent and coherent synchrotron radiation effects in the SuperKEKB electron beam transport	YOSHIMOTO, Takashi	
[783] Energy deposition challenges for the HL-LHC beam dump	FARINA, Edoardo	
[2125] Development of Nanosecond Pulser for The Southern Advanced Photon Source Injection System	ZHANG, Wenqing	
[733] Double achromat solution with a dedicated collimation system for the MEBT-3 section of MYRRHA	TRAYKOV, Emil	
[621] The status of the Interaction region design and machine detector interface of the FCC-ee	BOSCOLO, Manuela	
[2009] Magnetic design of the commutational magnet and quadrupoles for PERLE accelerator	ABUKESHEK, Rasha	
[533] Numerical analysis on the air conditioning system of the experimental hall at TPS	CHANG, Jui-Chi	
[903] Status of CARIE facility design and construction	BARKLEY, Walter	
[1057] Collimation quench test at the LHC with a 6.8 TeV proton beam	MONTANARI, Carlo Emilio	
[2654] Short pulse enhancement at the Proton storage ring via double stacking for the Lujan Center at LANSCE	TAYLOR, Charles HUANG, En-Chuan	
[2118] Superconducting RF systems for the SEALab facility, status and commissioning	SHARPLES-MILNE, Emmy	
[656] A novel dual-channel kicker for the Hefei Advanced Light Facility	SONG, Wen	
[555] Investigating the feasibility of delivering higher intensity proton beams to ECN3 at the CERN SPS North Area	ARRUTIA SOTA, Pablo Andreas	
[1421] Update on the High Luminosity LHC collimation performance with proton beams	LINDSTROM, Bjorn	
[1347] Preliminary lattice design for the rapid cycling synchrotron in the SPPC	TANG, Jingyu	
[756] Estimated heat load and proposed cooling system in the FCC-ee Interaction region beam pipe	BOSCOLO, Manuela	
[2602] Design of transverse feedback kickers for the HEPS storage ring	LIU, Xiaoyu	
[1609] The Scorpius Linear Induction Accelerator	DUNHAM, Bruce	
[1665] Installation of a new low energy line (LEBTO3) at CNAO	PRIANO, Cristiana	
[1668] Design and commissioning of the RF-KO extraction at CNAO	MELIGA, Paolo	
[1869] Preliminary design of control system for storage ring RF in Korea 4GSR	LEE, MUJIN Dr CHOI, Bong Hyuk	
[2388] First coaxial HOM coupler prototypes and RF measurements on a copper cavity for the PERLE project	BARBAGALLO, Carmelo	
[855] Elettra 2.0: Activities in the experimental Hall	VISINTINI, Roberto	
[890] Electron polarization preservation in the EIC	SIGNORELLI, Matthew	
[889] Nonlinear coupling resonances in the EIC electron storage ring	SIGNORELLI, Matthew	

[1812] Earthquake measurements and those analysis on ir components and Belle II detector in KEK	YAMAOKA, Hiroshi	
[1808] Interaction region effects on the EIC's electron storage ring's dynamic aperture	SIGNORELLI, Matthew	
[1510] Coordinate transformation based on dual quaternion and total least squares adjustment	ZHANG, qiuyu	
[1566] Validation and countermeasures of vertical emittance growth due to crab cavity noise in a horizontal crab-crossing scheme	HAO, Yue	
[1176] Study of systematic effects mimicking EDM signal combining measurements from counter-rotating beams	CILENTO, Vera	
[2529] Delivery of Low Momentum Muons for Muon EDM Studies at Fermilab	IZZO, Christopher	
[2086] An Optimized Water Cooling Scheme of Solid State Power Source for Accelerator	JIANG, Guodong	
[2616] Testing of a fan-out kicker to protect collimators from low-emittance whole-beam aborts in the Advanced Photon Source storage ring	DOOLING, Jeffrey	
[759] Beam optics update for EIC HSR-IR2	LUO, Yun	
[785] Modernization of the laser-optical system of the X-ray generator NESTOR	ZELINSKY, Andrey	
[681] Complex bend prototype beamline design and commissioning	WANG, Guimei	
[1278] Progress on the electron ion collider's RCS RF ramp development	RANJBAR, Vahid	
[1046] High order mode analysis in energy recovery linac based on an energy budget model	ROSSETTI CONTI, Marcello	
[1212] GUI control system for the Mu2e electrostatic septum high voltage at Fermilab	HENSLEY, Ryan	
[1104] Sorting of sextupole and octupole magnets in the HEPS storage ring	JIAO, Yi	
[760] Closing crab dispersion by dispersive RF cavity in Electron-Ion Collider Hadron Storage Ring	LUO, Yun	
[750] Design status of the Electron-Ion Collider	PTITSYN, Vadim	
[2396] Electrostatic dust lofting: a possible cause for beam losses at CERN's LHC	SCHMIDT, Ruediger	
[2219] Beam characterization and optimisation for AWAKE 18 MeV electron line	BENCINI, Vittorio	
[1400] Light source developments at UVSOR BL1U	KATOH, Masahiro	
[705] Detailed design studies of the high energy beam transport line of the Minerva Project at SCK CEN	PERROT, Luc	
[2013] Particle accelerators to meet gravitational waves	PETRACCA, Stefania	
[2136] Beam dynamics studies for the FCC-ee collimation system design	ABRAMOV, Andrey	
[2232] A high-current low-energy storage ring for photon-hungry applications	ZHANG, Yao	
[2405] Status of hydrodynamic simulations of a tapered plasma lens for optical matching at the ILC e+ source	FORMELA, Manuel	
[2323] Design of a new CERN SPS injection system via numerical optimisation	BENCINI, Vittorio	
[2660] Data analysis and control of an MeV ultrafast electron diffraction system and a photocathode laser and gun system using machine learning		
[2261] Technological features and status of the new heavy ions synchrotron SIS100 at FAIR	SPILLER, Peter	

[1423] Analysis of orbit measurements with the new High Luminosity LHC collimator beam position monitors in the LHC run 3	LINDSTROM, Bjorn	
[1839] Sextupole optimization at rapid cycling synchrotron in China Spallation Neutron Source	XU, Shou	
[2183] Field quality improvement of septum magnets for SuperKEKB injection system	MORI, Takashi	
[989] Design status of RF system for the Korea 4th generation storage ring	Dr CHOI, Bong Hyuk	
[535] Scaling of hybrid multi bend lattice cells	LIUZZO, Simone	
[1281] Design of a 250 linac injector for the Southern Advanced Photon Source	LIU, Xingguang HAN, Yanliang	
[980] Experimental measurements on impedance and beam instability in BEPCII	SU, Jinliu	
[1285] Booster conceptual design of the Southern Advanced Photon Source	LIU, Xingguang	
[617] A pulser R&D for the HEPS booster bumper magnet	DUAN, Zhe	
[1999] Beam delivery of high-energy ion beams for irradiation experiments at the CERN Proton Synchrotron	ARRUTIA SOTA, Pablo Andreas	
[2504] Fermilab's Muon Campus: Status, Experiments, and Future	IZZO, Christopher	
[1328] Normal-conducting 5-cell cavities for HEPS booster RF system	HUANG, Tong-Ming	
[1788] Lattice design of the EIC electron storage ring for energies down to 5 GeV	BERG, J.	
[1450] Beam dynamics for concurrent operation of the LHeC and the HL-LHC	VON WITZLEBEN, Tiziana	

Monday Poster Session: MOPL - Sala Laguna (16:30 - 18:30)

[id] title	presenter	board
[1489] Orbit correction studies for the MINERVA 100 MeV proton accelerator	DE KEUKELEERE, Lennert	
[1386] Nonlinearity optimization for the 125 TeV SPPC collider ring lattice	GAO, Jie	
[1239] Generation of Vertical Emittance through Transverse Coupling and its Impact on the Polarization in the EIC ESR	LIN, Fanglei PTITSYN, Vadim MOROZOV, Vasiliy	
[2061] Status of the beam-based measurement of the skew-sextupolar component of the radio frequency field of a HL-LHC-type crab-cavity	CARLÀ, Michele	
[2299] Design of final focus system for a super tau charm facility		
[2346] Design optimization for the construction of a linear accelerator driven BNCT facility	PISENT, Andrea	
[2104] Dark sector searches based on dielectric laser acceleration	ZIMMERMANN, Frank	
[2056] AC excitation studies for full coupling operation	BENEDETTI, Gabriele	
[1030] Operational beta* levelling at the LHC in 2022 and beyond	HOSTETTLER, Michi	
[800] The design progress of a high charge, low energy spread polarized pre injector for electron ion collider	WANG, Erdong	
[923] Recent updates of the layout of the lattice of the CERN hadron-hadron Future Circular Collider	GIOVANNOZZI, Massimo	
[939] Transient beam loading study in the storage ring of CEPC	XIN, Tianmu	
[640] Spin-polarization simulations for the Future Circular Collider e+e- using Bmad	WU, Yi	

[911] GaAs cathode activation with Cs-K-Sb thin film	KURIKI, Masao LIPTAK, Zachary	
[840] Benchmark and performance of beam-beam interaction models for XSUITE	KICSINY, Peter	
[1655] A Fixed Field Alternating Gradient Lattice Design for Acceleration to energies as high as 5 TeV	BERG, J.	
[2362] LANSCE Accelerator Modernisation Project Studies at LANL	GORELOV, Dmitry	
[1627] Lattice design for the hadron storage ring of the Electron-Ion Collider	BERG, J.	
[2479] Machine learning and Bayesian optimization for pulse shaping on a linear induction accelerator	SCOTT, Evan	
[1797] Bunch lifetime analysis based on the injection interval at SuperKEKB	KAJI, Hiroshi	
[1652] Calibration of the Main Linac Cryomodule Cavities for the CBETA Energy Recovery Linac	BERG, J.	
[1389] Automated RF-conditioning utilizing machine learning	WAGNER, Stephan	
[1911] Beam polarization studies at the CEPC	DUAN, Zhe	
[1269] Toward a new era of spin-polarized electron beams at SuperKEKB	LIPTAK, Zachary	
[2337] Benchmarking the FCC-ee positron source simulation tools using the SuperKEKB results	ALHARTHI, Fahad	
[1895] CEPC damping ring design in TDR stage	WANG, Dou	
[2522] Ultra-thin film yttria enhanced gold photocathodes	VALIZADEH, Reza BELL, Gavin NOAKES, Tim	
[1963] A conceptual design of FFA ring for super heavy element production adopting the ERIT mechanism.	ISHI, Yoshihiro	
[1100] Automated evaluation of LHC proton losses during high-energy beam dumps for the Post-Mortem System	UYTHOVEN, Jan	
[2021] Bead-Pull of 0.2 THz Structure and Technical Issues	HA, Gwanghui KONG, Hyung-sup SHIN, Seunghwan	
[2077] 750 MHz IH-DTL for a proton therapy linac	HUANG, Yulu	
[974] Design of a 10.156 MHz pre-buncher for a heavy ion RFQ	TANG, Yu	
[1160] Harmonics of 50 Hz on the beam spectrum of the Large Hadron Collider	STERBINI, Guido	
[1536] Helen: Traveling wave SRF Linear Collider Higgs factory	BELMESTNYKH, Sergey	
[2310] Design and optimisation of an 800 MHz 5-cell elliptical SRF cavity for T ⁻ t working point of the future circular Electron-Positron Collider	VAN RIENEN, Ursula	
[1466] Advanced accelerators for high energy physics and Snowmass AF06	GEDDES, Cameron	
[1035] First measurement of fourth and fifth order chromaticity in the LHC	LE GARREC, Mael	
[771] Status and plans for the high energy booster of the future electron-positron collider FCC-ee	DALENA, Barbara Dr GHRIBI, Adnan	
[1077] Design of CLIC beam delivery system at 7 TeV	MANOSPERTI, Enrico	
[2674] Design of a CW RFQ as axial injector of high intensity cyclotron	YANG, Yao	
[2688] Analytic derivative of orbit response matrix and dispersion with thick error sources and thick steerers implemented in python	Dr FRANCHI, Andrea LIUZZO, Simone	
[2669] Test Lab Klystron-Modulator System for RF Components Performance Test of PLS-II Linac	JANG, Sung-Duck	

[2533] Using HiPIMS to Deposit V3Si Super Conducting Thin Films of Single Target Deposition	VALIZADEH, Reza	
[2630] Design of a S band high power klystron for BEPCII	Mr ZHANG, Zhandong	
[1709] Proton and electron RLA optics design	DETRICK, Kirsten	
[2096] Simulating Tilted Solenoids	VAN RIESEN-HAUPT, Léon	
[922] Combined-function optics for the lattice of the CERN hadron-hadron Future Circular Collider ring	GIOVANNOZZI, Massimo	
[1222] Non-destructive spin tune measurement of polarized protons in a storage ring	HUANG, Haixin PTITSYN, Vadim	
[2275] Design Progress for Accelerators of a Super Tau Charm Facility in China	LUO, Qing	
[2690] Electromagnetic simulation of LANSCE chopper structure		
[2081] Coupling between transverse and longitudinal beam dynamics in the first-stage CLIC decelerator	COSTA, Raul	
[2709] EIC crab cavity multipole effects on dynamic aperture	WU, Qiong	
[2305] The CLEAR user facility: a review of the experimental methods and future plans	KORYSKO, Pierre	
[2282] Magnetic lattice of PoFEL linac	NIETUBYC, Robert	
[1432] Use of a superconducting solenoid as a matching device for the compact linear collider positron source	OLIVARES HERRADOR, Javier	
[2209] Neutrino generated radiation from a high energy muon collider	CARLI, Christian	
[2059] Status of the hydrogen gas stripper at the UNILAC at GSI	MAIER, Michael	
[1037] Measurement and modelling of decapole errors in the LHC from beam-based studies	LE GARREC, Mael	
[2073] Machine protection perspective on the restart of the large hadron collider after long shutdown 2	UYTHOVEN, Jan	
[2276] The New Intense Heavy Ion Alvarez 2.0 DTL at GSI	HEILMANN, Manuel	
[1531] Thermodynamic characteristics of hydrogen in an ionization cooling channel for muon colliders	STECCHAUNER, Bernd	
[1725] A Booster Replacement Linac for the Future of High Energy Physics at Fermilab	POSEN, Sam	
[2248] Snowmass'21 Perspective on Future Muon Colliders	STRATAKIS, Diktys	
[2063] Advancements in injection efficiency modelling for the Low Energy Ion Ring (LEIR) at CERN	BOZZOLAN, Michele BIANCACCI, Nicolo	
[2113] Insertion Region Optics Correction Strategies for FCC-ee	VAN RIESEN-HAUPT, Léon	
[2108] Updates on Accelerator Code Comparison Studies	VAN RIESEN-HAUPT, Léon	
[1541] Comparison of tracking codes for beam-matter interaction	STECCHAUNER, Bernd	
[1022] Power deposition studies for betatron halo losses in HL-LHC	FARINA, Edoardo	
[1005] Prospect of operating with limited skew quadrupole corrector availability in the LHC interaction regions	HOSTETTLER, Michi	
[1031] Crystal collimation performance at the LHC with a 6.8 TeV proton beam	MIRARCHI, Daniele	
[1092] LHC Run 3 optics corrections	CARLIER, Felix	
[1011] First design of a 10 TeV centre of mass energy muon collider	SKOUFARIS, Kyriacos	

[2182] Polarized proton operation at RHIC with partial snakes	SCHOEFER, Vincent	
[2342] The IFMIF RFQ as a resonant combiner: equivalent circuit and operational scenarios	PALMIERI, Antonio	
[1916] Short pulsed beam extraction from Kurns FFAG	UESUGI, Tomonori	
[929] High Luminosity LHC optics scenarios for Run 4	DE MARIA, Riccardo	
[662] Electron Acceleration by Self Focused q-Gaussian Laser Pulse in Plasma	SHISHODIA, Siddhanth	
[1708] Error correction for the high luminosity lattice of the CEPC	WANG, Bin	
[897] Status of error correction studies in support of FFA@CEBAF	DETRICK, Kirsten	
[746] Slow Extraction Techniques from Fixed Field Accelerators	Mx TAYLOR, Rebecca	
[734] Development of the diagnostic beamline for muon acceleration test with APF IH-DTL	IBARAKI, Yuka	
[2039] Application of a modified feedforward control algorithm for superconducting cavity	XU, Chengye	
[926] An iterative algorithm to estimate the energy spectrum of an electron beam from PDD curves	NICHELATTI, Enrico Dr ASTORINO, Maria Denise	
[826] Machine Learning based SRF cavity active resonance control	WANG, Faya	
[909] Beam loading compensation of traveling wave LINAC to a multi-bunch pulse with gaps	KURIKI, Masao	
[1070] Configuration management of the CERN accelerators complex on the road to long shutdown 3	BARTOLOME-JIMENEZ, Sonia	
[841] Bhabha scattering model for multi-turn tracking simulations at the FCC-ee	KICSINY, Peter	
[902] Simulating Beam-Beam Collisions in Linear Colliders Using Particle-in-Cell Methods	STOREY, Douglas	
[869] Radiation field characterization for present LHC and future HL-LHC forward physics experiments		
[521] Considerations for a new damping ring design of the FCC-ee pre-injector complex	ETISKEN, Ozgur RAIMONDI, Pantaleo	
[722] Beam absorbing material candidates for primary collimators for FCC-ee	PERILLO MARCONE, Antonio	
[776] Monochromatization Interaction Region Optics Design for Direct s-channel production at FCC-ee	Mr ZHANG, Zhandong	
[1083] MAD-NG for final focus design	MANOSPerti, Enrico	
[1628] Designing the spreaders and splitters for the FFA@CEBAF energy upgrade	BODENSTEIN, Ryan	
[659] Prototyping of a disk-loaded structure for muon acceleration	SUMI, Kazumichi	
[1654] Choosing Cavity Voltages and Phases for the CBETA Multi-Pass Energy Recovery Linac	BERG, J.	
[1603] Lattice optimization for Electron Ion Collider Hadron storage ring injection	LOVELACE III, Henry BERG, J. DREES, Kirsten LIU, Chuyu PTITSYN, Vadim TSOUPAS, Nicholas	
[1674] The ESSvSB+ project	TOLBA, Tamer	
[1657] A Double Bend Achromat Hybrid Pulsed Synchrotron Lattice for Accelerating Muons to 5 TeV	BERG, J.	

[1115] Design modelling of RF injector for ICS gamma-ray source system	TRACZ, Piotr	
[1640] Lattice design for the interaction region of the electron-ion collider	BERG, J.	
[2234] Design of a hybrid seven-bend-achromat-based lattice for a super tau charm facility	LIU, Tao	
[1610] Mitigation of losses at injection protection devices in the CERN LHC	TOMAS, Rogelio	
[1646] Synchronizing the timing of the electron and Hadron storage rings in the Electron-Ion Collider	BERG, J.	
[1858] Beam background study at BEPCII	WANG, Bin	
[1066] Commissioning strategies of hollow electron lens residual kick compensation	GIOVANNOZZI, Massimo	
[1229] Design and fabrication of the waveguide Iris couplers for the Spallation Neutron Source drift tube linac	MOSS, John	
[2492] On positron beam dynamics an initial part of a large aperture FCC-ee capture linac	ALHARTHI, Fahad CHAIKOVSKA, Iryna	
[1639] Status and overview of the activities on ESS DTLs	GRESPLAN, Francesco	
[1223] Design and simulation of EIC IR orbit control system	LIU, Chuyu	
[1968] Observation of sudden beam loss in SuperKEKB	Dr IKEDA, Hitomi	
[1051] 60° phase advance optics measurements in the Large Hadron Collider at CERN	LE GARREC, Mael	
[940] Transient beam loading and power analysis in the booster ring of CEPC	XIN, Tianmu	
[1228] High Power Radiofrequency Operation of the Radiofrequency Quadrupoles in the Spallation Neutron Source	MOSS, John	
[1348] First results of running the LHC with lead ions at a beam energy of 6.8 Z TeV	MIRARCHI, Daniele	
[1221] Local and global betatron coupling correction based on beam position measurements in RHIC	LIU, Chuyu	
[1431] Simulations and measurements of collisional losses with Pb beams at the LHC	PATECKI, Marcin	
[1550] The Frascati DAFNE LINAC modulator upgrade	CECCHINELLI, Alberto BUONOMO, Bruno DI GIULIO, Claudio DI GIOVENALE, Domenico CARDELLI, Fabio PIERMARINI, Graziano FOGGETTA, Luca ROSSI, Luis Antonio CECCARELLI, Matteo BELLI, Maurizio ZARLENGA, Raffaele CLEMENTI, Renato CECCARELLI, Riccardo STRABIOLI, Serena	
[1215] Strategy for proton polarization in the Electron Ion Collider	HUANG, Haixin	
[1529] Beam injection issues at SuperKEKB	IIDA, Naoko	
[1313] Positron beams at Ce+BAF	GRAMES, Joseph	
[1090] Challenges of K-modulation measurements in the LHC Run 3	CARLIER, Felix	

[2441] Study of a bunch train total energy spread in a Linac using SLED	BOLAND, Mark	
[945] NICA ion collider and its acceleration complex	LEBEDEV, Valeri	
[2617] Steering to a wakefield reduced trajectory using RF kick data in the SLAC linac	Dr HALAVANAU, Aliaksei	
[1144] Impact of dipole quadrupolar errors in FCC-ee	GARCIA JAIMES, CRISTOBAL PIELONI, Tatiana	
[853] FCC-ee arc half-cell: preliminary design & integration studies, with ideas for a mock-up		
[1150] Exploring FCC-ee optics designs with combined function magnets	GARCIA JAIMES, CRISTOBAL TOMAS, Rogelio	
[1413] Optimizing Pb beam losses at the LHCb for maximum luminosity	PATECKI, Marcin	
[2197] Radio frequency system, power converters and cryomodule installation and tests as a Polish in-kind contribution to the European Spallation Source (ESS)	ZWOZNIAK, Agnieszka	
[904] CEBAF 22 GeV FFA energy upgrade	DETRICK, Kirsten	
[1044] Performance of a double-crystal setup for LHC fixed-target experiments	PATECKI, Marcin	
[1467] A booster free from spin resonances for future 100 km-scale circular e+e-colliders	CHEN, Tao	
[1469] Study and simulation of cryogenic bi-periodic accelerating structure with TM02 mode	FANG, Wencheng	
[947] Experience from the US contribution to HL-LHC: Nb3Sn focusing quadrupoles and SRF crab cavities	APOLLINARI, Giorgio	
[894] Thermionic sources for electron cooling at IOTA	BOSSARD, Mary BANERJEE, Nilanjan NAGAITSEV, Sergei	
[2686] DAFNE run for the SIDDHARTA-2 experiment	DE SANTIS, Antonio	
[2236] Deposition of NbTiN and NbN on 6 GHz seamless copper cavity	VALIZADEH, Reza	
[1383] Low-level radio-frequency system integrated with feed-forward control and vector modulation		
[1277] CEPC circumference optimization	WANG, Dou	
[2179] Stable spin direction measurements at RHIC with polarized proton beams	SCHOEFER, Vincent	
[2519] High beam energy recovery simulations for space charged based collector in Neutral beam injection application	VARIALE, Vincenzo	
[1419] Parameter ranges for a chain of rapid cycling synchrotrons for a muon collider complex	BATSCH, Fabian	
[1775] Multicell dielectric disk accelerating structure design and low power results	WEATHERLY, Sarah	
[1408] First installation of the upgraded vacuum control system for ALPI accelerator	SAVARESE, Giovanni	
[1590] Design, testing, and validating the CLIC module pre-alignment and alignment systems	CAPSTICK, Matthew	
[966] Beam backgrounds at the CEPC	SHI, Haoyu	
[1435] Manufacturing and testing of the 800 MHz RFQ at KAHVELab	Mr KILICGEDIK, Atacan	
[1266] Modeling SuperKEKB backgrounds with the Belle II electromagnetic calorimeter	LIPTAK, Zachary	

[1061] The status of the energy calibration, polarization and monochromatization of the FCC-ee	KEINTZEL, Jacqueline PIELONI, Tatiana	
[1055] Operational handling of Crystal collimation at the LHC	MIRARCHI, Daniele	
[2246] Update on the FCC-ee positron source design studies	CHAIKOVSKA, Iryna	
[2657] First studies of final focus quadrupoles vibrations of the z lattice of FCC-ee	MONTBARBON, Eva POIRIER, Freddy	
[729] Definition of tolerances and corrector strengths for the orbit control of the High-Energy Booster ring of the future electron-positron collider	DALENA, Barbara	
[1402] Wakefield effects on dark current bunches for LESA	LITTLETON, Sean	
[2051] The LHC run 2022	JACQUET, Delphine	

Monday Poster Session: MOPM - Sala Mosaici 2 (16:30 - 18:30)

[id] title	presenter	board
[1410] PALLAS, a laser-plasma injector test facility, development status	CASSOU, Kevin	
[1095] Four-rows APPLE-Knot undulator on HEPS	JIAO, Yi	
[660] Beam transfer line of Wuhan Advanced Light Source	LI, HaoHu	
[2509] Observation of coherent Terahertz bursts during low-energy operation of DELTA	MAI, Carsten	
[1183] Design of the pseudo single bunch mode in SPEAR3	TIAN, Kai	
[1994] Bunch Cleaning in a Multi-GeV Electron Storage Ring for High Bunch Purity Operations	FUJITA, Takahiro	
[1487] TRIBs simulations for SLS 2.0	KALLESTRUP, Jonas	
[1605] An in-vacuum measurement system for CPMUs at Diamond Light Source	SHARMA, Geetanjali	
[549] Magnetic field errors and possible correction schemes in SCUs	GRATTONI, Vanessa CASALBUONI, Sara	
[1900] Gamma-ray-induced positron annihilation spectroscopy at UVSOR-III BL1U	TAIRA, Yoshitaka	
[2288] Status update on SUNADAE2 magnetic field test facility at European XFEL	BAADER, Johann	
[2332] Commissioning of the ThomX Storage Ring	KUBYTSKYI, Viacheslav CHAIKOVSKA, Iryna DELERUE, Nicolas MYTROCHENKO, Viktor	
[2250] Girder and support system for the Iranian Light Source Facility	KHODADOOST, Payam	
[1822] Coaxial Input Coupler Design For Wuhan Advanced Light Source	ZHANG, Yu Xin	
[1338] Cavity mirror development for optical enhancement cavity of steady-state microbunching light source	WANG, Huan	
[647] Burst mode compact optical cavity for Inverse Compton scattering sources	BLANC, Frédéric	
[548] Dynamics of off-axis injection near the coupling resonance at PETRA IV	CORTÉS GARCÍA, Edgar Cristopher	
[1562] High Finesse Fabry-Perot Cavity for ThomX ICS as an X-ray Source	AMER, Manar	
[547] Status of the ALS-U accumulator ring installation	LEITNER, Daniela	
[2430] SPEED: Worldwide first EEHG implementation at a storage ring	KHAN, Shaukat	

[999] A report on a lower emittance lattice at MAX IV 3 GeV storage ring	APOLLONIO, Marco	
[2639] Upgrades of beam diagnostics for linac of Siam Photon Source	CHANWATTANA, Thakonwat	
[2091] First results of automated startup and commissioning procedures at the Advanced Light Source		
[812] Progress on the storage ring physics design of Hefei Advanced Light Facility (HALF)	BAI, Zhenghe	
[913] Laser-electron phase-locking in a steady-state microbunching storage ring	DENG, Xiujie	
[1921] Multi-objective genetic algorithm for synchrotron radiation beamline optimization	WANG, Jike	
[2571] Linear Canonical Transform Library for Fast Coherent X-Ray Wavefront Propagation	COLEMAN, Stephen	
[1456] Vacuum system for Wuhan Advanced Light Source storage ring	WEI, Geng	
[992] Multi-object optimization based on high gradient C-band photoinjector	JIANG, Shimin	
[1802] Transverse Resonant Island Buckets at the SLS	ARMBORST, Felix	
[757] Design and integration on the test station for PSM of a 300 kW transmitter	LIN, Ming-Chyuan	
[959] First results of the multipole injection kicker in the MAX IV 1.5 GeV ring	APOLLONIO, Marco	
[1181] SLS 2.0 storage ring components overview before installation	GANTER, Romain	
[564] Broad band impedance effects on Elettra 2.0	DASTAN, Sara	
[1165] Beam-based alignment of beam position monitors at SLS 2.0	BÖGE, Michael	
[633] Magnet designs for the multi-bend achromat lattice of the Shenzhen Innovation Light Facility	WANG, Chunguang	
[611] Evaluation of photon energy and bandwidth jitter of SASE-FEL beam using hard X-ray spectrometer at European XFEL	KUJALA, Naresh	
[1949] Numerical calculation on spectral phase of undulator radiation	HOSAKA, Masahito	
[615] Study of the ramping process for Korea-4GSR	LEE, Yumi	
[2082] A THz superconducting undulator for flute - Design parameters and layout	GRAU, Andreas	
[1065] Progress of physics studies and commissioning preparations for the High Energy Photon Source	JIAO, Yi FAN, Kuanjun	
[540] Insertion device developments for Elettra 2.0	DIVIACCO, Bruno BRACCO, Roberto MILLO, Daniele	
[721] Beam injection with an anti-septum into the HALF storage ring	LIU, Gangwen	
[2221] Undulators for BESSY III	RIAL, Ed	
[602] Study of injection schemes for the SILF storage ring	SUN, Zhen-Biao	
[1995] Generalized longitudinal strong focusing in a storage ring for coherent EUV radiation	LI, Zizheng	
[1142] Development of single mode cavity at 1.5 GHz for the third harmonic RF-system in PETRA IV	KARAU, Simon	
[1342] Thermal Load Analysis and Benchmark Study for Beamline of Low Emittance Storage Ring	KO, Jinjoo	
[1062] Studies on beam injection system for Wuhan Advanced Light Source storage ring	Dr ZOU, Ye	

[1287] Magnetic measurement of the magnets with trim coils in the HEPS storage ring	JIAO, Yi	
[672] Tunable monochromatic gamma ray source design using Inverse Compton Scattering at Daresbury Laboratory	MORRIS, Alex	
[1032] Commissioning of the RF system for the ThomX storage ring	EL KHALDI, Mohamed	
[946] Beam Based Alignment Using a Neural Network	CHEN, Kemin	
[879] Techniques for fabrication of crystalline undulators as an innovative intense source of γ-rays	NEGRELLO, Riccardo	
[1139] Ion effects studies for Diamond-II with a simplified model	WANG, Siwei	
[1308] Longitudinal injection for SAPS based on a double-frequency RF system	LIU, Weihang	
[2651] Obtaining picosecond x-ray pulses on fourth generation synchrotron light sources	HUANG, Xiaobiao	
[2541] Development of an elliptically polarizing X-type undulator for fourth generation light sources	WALLÉN, Erik	
[1013] Reducing floor vibration of TPS experimental hall caused by air handling units	LAI, Wei-Yang	
[652] Application of three families of sextupoles at the KARA ring of Karlsruhe Institute of Technology	BERNHARD, Axel	
[793] Lifetime without Compromise	WILKES, Seb	
[1663] SOLEIL machine status: operation and upgrade project	LOULERGUE, Alexandre GAMELIN, Alexis HERBEAUX, Christian MARTEAU, Fabrice RIBEIRO, Fernand BOUVET, Francois SCHAGUENE, Gilbert ABEILLE, Gwenaelle LAMARRE, Jean-Francois TAVAKOLI, Keihan LABAT, Marie TORDEUX, Marie-Agnès COUPRIE, Marie-Emmanuelle HUBERT, Nicolas MARCOUILLÉ, Olivier BRUNELLE, Pascale NAGAOKA, Ryutaro DUIGOU, Steve DELETOILLE, Xavier RAHIER, Yan ABIVEN, Yves-Marie	
[1159] Investigations into operating Pulse Picking by Resonant Excitation (PPRE) in the vertical plane	WILKES, Seb	
[963] Status and progress of the RF system for high energy photon source	ZHANG, Pei	
[2087] Sextupole injection at TPS	CHAN, Che-Kai	
[2425] Study of insertion devices effects in SIRIUS	LIU, Lin	
[1441] Beam injection using a nonlinear kicker for the HLS-II storage ring	YU, Yongbo	
[2427] Permanent helical undulators with strong fields	BALAL, Nezhah	

[1098] Progress and challenges of the compact APPLE X undulator prototype at MAX IV	HOLZ, Michael	
[589] Effect of SCU long range errors on the FEL performance	GRATTONI, Vanessa	
[603] Study on a self-resonating optical cavity for high-brightness Laser-Compton Scattering X-ray sources	FUKUSHIMA, Chikara	
[1576] Quasi-periodic Apple-knot undulator for Diamond Light Source	Dr RAMEZANI MOGHADDAM, Ali	
[2002] UNDUMAG - WAVE recent developments	SCHEER, Michael	
[847] Study on transverse multi-bunch instability in Elettra 2.0	DASTAN, Sara	
[670] Study of aperture sharing injection scheme for Diamond-II	LUEANGARAMWONG, Anusorn	
[1341] Overview of the collective effects in SLS 2.0	CITTERIO, Alessandro	
[1167] Calibration of the 2-phase bubble tracking model for liquid mercury target simulation with machine learning surrogate models	HOOVER, Austin	
[2274] Microwave instability threshold from coherent wiggler radiation impedance in storage rings	LINDBERG, Ryan	
[1902] Preliminary electron injector design for a steady-state microbunching light source	ZHANG, Xiaoyang	
[1803] SLS 2.0 machine protection	ARMBORST, Felix	
[2733] X-band electron linear accelerator design for intraoperative radiotherapy	GU, Weihang	
[2731] Design of an S-band buncher for KeV UED	LI, Qingzhu	
[2722] Development of an X-band RF gun with four-feed coupler	HU, Fangjun	
[2588] Mathematica expression of Gaussian lasers with temporal or spatial chirp	WANG, Xiaofan	
[1284] Recent progress of Shanghai laser electron gamma source (SLEGS) beamline in SSRF	XU, Hanghua	
[859] Beam-based characterization of a non-linear injection kicker at BESSY II	GORA, Anny	
[2106] Shunt impedance calculations for an in-vacuum undulator at Petra IV	QUETSCHER, Frederik	
[530] Magnetic Measurement of Tapered Gap U50 Undulator	GEHLOT, Mona	
[1372] Theoretical studies on polarization control of segmental undulator system	YANG, NanRui	
[1485] Feasibility of round beams in SLS 2.0	KALLESTRUP, Jonas	
[2642] TDR baseline lattice for SOLEIL II upgrade project	LOULERGUE, Alexandre FOOSANG, Watanyu NADJI, Amor	
[2394] Degradation beamline design at the CEBAF injector for machine acceptance studies	SY, Amy	
[1135] RF feedback simulation for Diamond-II using ELEGANT	WANG, Siwei	
[1039] Bending magnet photon absorber design and calculations for Elettra 2.0 storage ring	SCRIMALI, Giulio	
[852] Slow orbit feedback correction using extra-windings at the SAGA-LS	IWASAKI, Yoshitaka	
[1345] Machine impedance calculation and impedance optimization of vacuum components in SLS 2.0	CITTERIO, Alessandro	
[1649] First test results of a short period superconducting helical undulator	HINTON, Alex	

[745] Slow extraction with octupoles at CERN proton synchrotron to improve extraction efficiency	Mx TAYLOR, Rebecca	
[1309] Studies on beam instabilities in the storage ring of SAPS	ZHAO, Yu	
[2738] Assembly, alignment and tuning of the XiPAF DTL	WANG, Shuai	
[2723] Compression of relativistic electron bunch train	LI, An GU, Weihang	
[936] On-resonance round beam experiment in the HLS-II storage ring		
[1611] CPMU development at diamond light source	SHARMA, Geetanjali	
[1424] Elettra 2.0 - the girder support design	SIMONETTI, Giovanni	
[1365] Preliminary design of insertion devices at Hefei Advanced Light Facility	ZHAO, Zhouyu	
[2578] Strongly tapered helical undulator system for FAST-GREENS installation	HODGETTS, Tara	
[700] Photon diagnostics for the high-gain THz FEL at PITZ	BOONPORNPRASERT, Prach	
[698] Pulsed wire magnetic field measurements for an in-vacuum undulator	CHEN, Chih-Wei HUANG, Jui-Che	
[720] Study on magnets sorting for the HEPS booster	PENG, Yuemei	
[694] Seven years statistical analysis of the Siam photon source operation	JUNTONG, Nawin CHANWATTANA, Thakonwat PHIMSEN, Thanapong PULAMPONG, Thapakron SUDMUANG, Porntip SUNWONG, Prapaiwan	