

IPAC'24 - 15th International Particle Accelerator Conference

Tuesday, 21 May 2024

Tuesday Poster Session: TUPC - Country (16:00 - 18:00)

[id] title	presenter	board
[1044] Dynamic aperture of the RCS during bunch merges	KUZOVKOVA, Daria	
[574] The magnetic error correction of SAPS storage ring based on ELEGANT script in AT code	CHEN, Jianliang	
[771] Instability issue of rapid cycling synchrotron of CSNS-II	HUANG, Liangsheng	
[1266] Enhancing beam current in compact cyclotrons for diverse applications	PARK, Chong Shik	
[523] Design of a two-cell C-band accelerator cavity with higher-order mode damping	XU, Haoran	
[1618] Orbital alignment of electron beam in the CeC experiment	WANG, Gang	
[2032] Topologies for the kicker systems of the FCC-ee collider and injectors	DIAZ ZUMEL, Miguel	
[1693] Particle injection and acceleration in laser wakefield generated via propagation of two laser pulses	SINGH, Saumya	
[1404] Beam loss studies for the P42 beam line at the CERN SPS north area	DYKS, Luke	
[1355] Improvements of the SPS slow extraction electrostatic septum	LACKNER, Friedrich	
[422] Modern electron beam diagnostic techniques based on LOCO and feed forward artificial neural networks.	BIERNAT, Jacek	
[1372] More general formula of minimum emittance	JANG, Gyeongsu	
[833] Various methods for computing dominant spin-orbit resonance strengths in storage rings	DEVLIN, Joseph	
[1396] DONES-ConP1 project: consolidating the start of the IFMIF-DONES construction phase	MORENO CORTES, Antonio	
[886] Energy deposition and radiation level studies for the FCC-ee experimental insertions	FRASCA, Alessandro	
[1660] Anodically bonded bent crystals: an advanced tool for channeling applications in particle beams steering	NEGRELLO, Riccardo	
[1409] Characterization of the optics of the TT24 and P42 beam lines in the CERN SPS north area	DYKS, Luke	
[1658] A crystal-based positron source for FCC-ee	NEGRELLO, Riccardo	
[999] Calculating the channelling efficiency of bent silicon crystals using two particle simulation programs: SixTrack and Xsuite	DEWHURST, Kay	
[647] Initial operational experience of an LHC injection kicker magnet upgraded for HL-LHC	DIAZ ZUMEL, Miguel	
[1770] SoC based time-resolved scaler DAQ and amplifier-discriminator upgrade for BECOLA	KUNJIR, Shriraj	
[955] Energy chirp control using transverse deflecting cavities at the Argonne Wakefield Accelerator	MARKSTEINER, Quinn	

[495] Future upgrades for GANIL	Dr FRANBERG DELAHAYE, Hanna	
[1515] Design optimization of a dual energy electron storage ring cooler for improved cooling performance	LIN, Fanglei	
[1075] Bmad based particle tracking simulation for slow resonant extraction	HAMWI, Eiad	
[1198] Studies of beams with non-factorizable transverse beam distributions at the CERN PSB	LAMB, Eleanor	
[1680] Multi-bunch beam dynamics studies for the C3 main linac	TAN, Wei Hou	
[486] Magnetic compression method for macro pulses of relativistic electron beam	LI, An	
[1221] Correction of horizontal partial snake resonances with pulsed skew quadrupoles at the Brookhaven AGS	SCHOEFER, Vincent	
[613] On the possibility of resistive-wall wake field losses reduction	RAIMONDI, Pantaleo	
[884] Study on beam injection and ramping efficiency for Korea-4GSR booster	KIM, Keonho	
[1213] Optimizations and updates of the FCC-ee collimation system	BROGGI, Giacomo	
[2008] Flattening the field during injection in the Fermilab booster using dipole corrector magnets	SEIYA, Kiyomi	
[575] Preliminary study of HALF lattice utilizing superconducting longitudinal gradient bend	CHEN, Chao	
[1970] A reformulated accelerator R&D program as envisioned by the 2023 Particle Physics Project Prioritization Panel	PALMER, Mark	
[630] A wide open waveguide cavity for the International Linear Collider crabbing system	XIAO, Binping	
[2027] Development of a fast pulsed magnet system for the MYRRHA collaboration	DIAZ ZUMEL, Miguel	
[786] ATF2-3 hardware upgrade and new experimental results to maximize the luminosity potential of linear colliders	FAUS-GOLFE, Angeles	
[536] Simulations of coherent electron cooling with varied beam parameters	MA, Jun	
[1718] Four-dimensional phase space control with a strongly X-Y coupled beam for the three-dimensional spiral trajectory with a validation experiment with 0.12 m radius of compact storage ring	IINUMA, Hiromi	
[1985] Application and comparative analysis of the APES_CBI module in BEPC-II experimental results	FENG, Siyuan	
[1060] Energy dependence of PS main unit harmonics	FERRENTINO, Vittorio	
[1818] Future colliders using recycling energy-recovery linacs	LITVINENKO, Vladimir	
[766] Advancements in the development of beam dynamics software for CEPC	LIU, Weibin	
[778] Secondary beam line efficiency studies at the CERN PS East Area	PAROZZI, Elisabetta	
[842] Single bunch tracking on the ten-pass ER@CEBAF energy recovery beamline	GAMAGE, Bamunuvita	
[685] Optimization of nanostructured plasmas for laser wakefield acceleration using a Bayesian algorithm	RODRÍGUEZ PÉREZ, Juan	
[1025] Impedance evaluation, mitigation, and measurement of ALS-U vacuum components.	WANG, Dan	
[651] A review of the 2023 antiproton physics run in the CERN antimatter factory	BOJTAR, Lajos	

[1760] Hydrodynamic simulations of an argon-filled tapered plasma lens for optical matching at the ILC E+ source	FORMELA, Manuel	
[617] Beam optics modelling for the LAMP proton storage ring upgrade using pyORBIT	YOSKOWITZ, Joshua	
[563] Optimization of a permanent magnet multi-energy FFA arc for the CEBAF energy upgrade	BROOKS, Stephen	
[971] A left-handed helical snakes for the HSR	HOCK, Kiel	
[581] Applications of horizontal field damping wigglers in the diffraction limited storage ring	LIU, Xinzhong	
[1133] A prototype storage ring for the precision frontier	LENISA, Paolo	
[1126] Application of common points selection method based on uniformity dividing space in HALF	DING, Ting	
[2002] RF system upgrade for 1.3 MW operation of J-PARC main ring	SEIYA, Kiyomi	
[1623] Simulation of the secondary beams in the CERN north and east areas using FLUKA	NEVAY, Laurence	
[1886] Novel ion cyclotron auto-resonance accelerator	JIANG, Yong	
[965] Progress in the design of the future circular collider FCC-ee interaction region	BOSCOLO, Manuela	
[1137] Effects of dipole power converter ripple during empty-bucket channelling	FRASER, Matthew	
[1141] Novel positron beam generation based on Shanghai Laser Electron Gamma Source	JIN, Sheng	
[1008] Predicting the multi-turn channelling efficiency of a 7 mrad-bending silicon crystal in the Large Hadron Collider for TeV-range proton energies	DEWHURST, Kay	
[1751] Adaptation of the Fermilab proton source to support new muon facilities	STRATAKIS, Diktys	
[1273] A high-power positron converter based on a recirculated liquid metal in-vacuum target	MAYES, Christopher	
[555] The P3 experiment: a proof-of-principle e+ source for future colliders	CRAIEVICH, Paolo	
[1122] Optics rematching between TT24 and P42 primary beam lines within the HI-ECN3 study project at CERN	FRASER, Matthew	
[809] Radiation to electronics studies for CERN gamma factory-proof of principle experiment in SPS	NIANG, Samuel	
[1428] Irradiation damage characterization of positron source materials	USHAKOV, Andriy	
[643] HL-LHC series collimators: key technical requirements, crucial production challenges and risk mitigation plan	PICCINNI, Carla	
[1808] Advanced laser-driven betatron X-ray generation	FUCHS, Matthias	
[1551] Background mitigation concepts for Super-NaNu	STUMMER, Florian	
[1612] Optimization of cooling distribution of the EIC cooler ERL	WANG, Ningdong	
[374] A preliminary feasibility study on dual cavity cryomodule integration for the Electron Ion Collider energy recovery linac cooler	SETINIYAZ, Sadiq	
[1602] Estimates of the recombination rate for the strong hadron cooling system in the EIC	WANG, Gang	
[1659] Optics design of the solenoid compensation scheme at FCC-ee	CIARMA, Andrea	
[2036] SPS injection kicker system: 2023 operational experience and upgrade proposals for high-luminosity LHC	DIAZ ZUMEL, Miguel	

[1525] Production and validation of the RF cooling damper for the LHC injection kickers	DIAZ ZUMEL, Miguel	
[1520] high current DC gun for low energy RHIC cooler project	GU, Xiaofeng	
[911] Summary of Jefferson Lab LDRD on FFA@CEBAF beam dynamics simulations	BODENSTEIN, Ryan	
[1691] Overview of the new beam physics research at the IOTA/FAST facility	ROMANOV, Alexander	
[603] Beam correction for multi-pass arcs in FFA@CEBAF: status update	COXE, Alexander	
[895] Simulating a rectilinear cooling channel using BDSIM for the 6D muon cooling demonstrator	KAMATH, Rohan	
[1154] Enhancing e+ sources for future colliders through conical converter targets	CRAIEVICH, Paolo	

Tuesday Poster Session: TUPG - Bluegrass (16:00 - 18:00)

[id] title	presenter	board
[483] Conceptual Design for a Future Australian Light Source	DOWD, Rohan	
[648] Beam-based girder alignment to reduce corrector strengths: conceptual simulations for PETRA IV	HELLERT, Thorsten	
[1538] Echo-enabled harmonic generation at the DELTA storage ring	KHAN, Shaukat	
[1648] First injection and lattice commissioning of APS upgrade storage ring	SAJAEV, Vadim	
[1464] 3rd harmonic active EU-HOM damped cavity commissioning results	OCAMPO, Jesus	
[981] Beam centroid studies at the Canadian Light Source	BEAUREGARD, Denis	
[996] ALS-U accumulator ring raft and dipole installation	LEE, Elizabeth	
[1004] Improve the injection with high energy for CAMD light source	WANG, Yanshan	
[1973] Multiphysics design of a high heat-load superconducting undulator	CHEN, Yung-Chuan	
[1420] Operational status of synchrotron SOLEIL	NADOLSKI, Laurent	
[592] Collimator study for the Diamond-II storage ring	CHAO, Hung-Chun	
[836] Complex bend prototype beamline commissioning result	WANG, Guimei	
[432] Optical cavity status for SSMB at Tsinghua	LIU, Xing	
[745] Force-neutral adjustable phase undulator	XU, Joseph	
[1543] Numerical optimization of the Diamond-II storage ring optics	CHAO, Hung-Chun	
[1419] SOLEIL II Project	NADOLSKI, Laurent	
[1506] Control system for insertion devices at the APS-U	LI, Wei	
[1625] Coherent radiation of a microbunched beam in a short undulator	STUPAKOV, Gennady	
[934] Dynamic aperture in a wiggler dominated ring electron cooler of the EIC	HOFFSTAETTER, Georg	
[835] Path to high current 500 mA at NSLS-II	WANG, Guimei	
[580] Widely tunable laser pulses enable the generation of femtosecond electron beams with controllable lengths	LI, Jiapeng	
[672] Studies of single bunch and multi-bunch beam instabilities in the Diamond-II booster	FIELDER, Richard	
[870] The low charge linac injector for the SAPS	HAN, Yanliang	
[1532] Single-electron experiments at the DELTA storage ring	KHAN, Shaukat	

[1457] Dismantle, assembly and installation plans for the ALBA II upgrade	FERNANDEZ, Ferran	
[1915] Light source top-up through direct generation of electron beam based on LPA technology	DEHLER, Micha	
[642] Study of an upgraded lattice for Taiwan photon source	Dr HUANG, Nuan-Ya	
[1323] Candidate lattice design for SAPS storage ring	JIAO, Yi	
[1033] Status of the Advanced Light Source	HELLERT, Thorsten	
[1242] Design of an X-Undulator	QIAN, Maofei	
[933] Emittance blow-up with a magnetic shaker at different chromaticities	CARMIGNANI, Nicola	
[867] Error analysis and commissioning simulations for the SSRF-U lattice	WU, Xu	
[1361] Networking activities of the I.FAST project in the high brightness accelerator for light sources	MOCHIIHASHI, Akira	
[1445] ALBA II accelerator upgrade project status	FERNANDEZ, Ferran	
[1969] Advanced utilization of a single laser source for an inverse Compton scattering system	AMOUDRY, Loic	
[730] Design and construction progress of ALS-U	HELLERT, Thorsten	
[1610] Chromaticity and Landau damping effects in the SLS 2.0 transverse coupled bunch instability threshold	DEHLER, Micha	
[1376] Design of a single mode 3rd harmonic cavity for PETRA IV	DE GERSEM, Herbert	
[2006] Preliminary lattice design for Australian Synchrotron 2.0	DOWD, Rohan	
[446] Magnetic field simulation of a planar superconducting undulator for the FEL demonstrator	SHIROYANAGI, Yuko	
[1642] TDR baseline lattice for Soleil II upgrade project	LOULERGUE, Alexandre	
[1990] Particle accumulator ring restart and readiness for Advanced Photon Source upgrade commissioning	HARKAY, Katherine	
[1415] Present status and future project of synchrotron light sources at KEK	OBINA, Takashi	
[1878] High-quality dislocation-free diffraction grade HPHT diamond substrates for next-generation of synchrotron and FEL X-ray sources	KANAREYKIN, Alexei	
[1784] Longitudinal beam profile monitoring in ILSF based on Smith-Purcell, transition, and diffraction radiation	BAZRAFSHAN, Reza	
[1193] Operation and developments at the ESRF-EBS light source	HARDY, Laurent	
[1127] Progress of physics studies and beam commissioning of the High Energy Photon Source	JIAO, Yi	
[1076] Radio frequency design and analysis of quasi-waveguide multicell deflecting cavities for the production of picosecond-long x-ray pulses for Elettra 2.0	DI MITRI, Simone	
[405] Parallel BBA for the EBS storage ring	CARMIGNANI, Nicola	
[945] Sub-picosecond long-wave infrared laser for advanced accelerators	POGORELSKY, Igor	
[1295] Comparison of BBA methods for commissioning of fourth generation light sources	HOSAKA, Masahito	
[1087] Investigations in turn-by-turn optics measurements at KARA	STEINMANN, Johannes	
[508] Integrated Hall probe and stretched wire measurement system for an in-vacuum undulator	YANG, Chin-Kang	
[384] The online undulator magnetic field measurement system at SSRF	ZHANG, Wei	

[1200] Initial status report on BNL ATF AE131 experiment harmonic nonlinear inverse Compton scattering	SAKAI, Yusuke	
[802] Further investigations into the impact of insertion devices on the Diamond-II lattice	CHAO, Hung-Chun	
[1475] Status and plans for the upgrade of the PETRA IV RF system	FRÖHLICH, Nils-Oliver	
[1692] Status of undulators for the APS upgrade	PIAO, Yinghu	
[411] The status of X-ray beam position monitor in TPS front end	CHAN, Che-Kai	
[1317] Superconducting undulator mock-up coils with 18 mm period length – design and first cryogenic tests	GRAU, Andreas	
[485] The laser system of very compact inverse Compton scattering γ-ray source	TIAN, Qili	
[882] Intra-beam scattering and Touschek scattering optimizations for the upgraded SSRF	LIU, Xinzhong	
[888] Status of beam commissioning at NanoTerasu	UESHIMA, Kota	
[872] Single-shot meV-resolution hard X-ray spectrograph for CBXFEL diagnostics	Mr KAUCHHA, Keshab	
[1944] APS upgrade booster commissioning	CALVEY, Joseph	
[1081] Magnetic characterization and phase error tuning of a 1.5 m-long NbTi SCU for the Advanced Photon Source	KASA, Matthew	
[868] BESSY III overview and its bending sources	KUSKE, Bettina	
[1332] Full simulations of the Diamond-II storage ring commissioning and possible improvements of procedures	CHAO, Hung-Chun	
[379] An electron beam modulation laser for steady-state microbunching	LU, Xinyi	

Tuesday Poster Session: TUPR - Rock 'n Roll (16:00 - 18:00)

[id] title	presenter	board
[1318] Design of an X-band parallel-coupled travelling-wave accelerating structure for future linacs	CAO, Zexin	
[1763] An input port for a high-power magnetron	NEUBAUER, Michael	
[1406] Magnetic design of non linear kicker for ESRF-EBS	BENABDERRAHMANE, Chamseddine	
[854] Design of side-coupled proton accelerating structure	TAN, Jianhao	
[1974] Higher order modes characteristic of the capacitive type RF cavity at the Siam Photon Source	CHANWATTANA, Thakonwat	
[1302] Design of 500 MHz HOM-damped normal conducting RF cavity	PANG, Jian	
[559] Wakefield analysis of the FCC-ee collimation system	BEHTOUEI, Mostafa	
[602] Eight-piece quadrupole magnet allows precise pole tip positioning	JASKI, Mark	
[598] The MESA high power 1.3 GHz CW solid state power amplifier systems	LOREY, Christoph	
[604] Development of a flux-concentrator-based 2-Tesla solenoid as a round lens for ultrafast microscopy	JING, Chunguang	
[752] A new design of the S-band acceleration unit	GUO, Yusen	
[860] Design of permanent dipole magnet in transport line for TPS	YANG, Chin-Kang	

[1408] Magnetic measurement bench for a pulsed non-linear kicker based on vibrating wire	CARLÀ, Michele	
[549] Thermal and vibrational studies of a new germanium detector for X-ray spectroscopy applications at synchrotron facilities	Dr QUISPE, Marcos	
[1152] Modification of TPS arc-cell vacuum system for installation of EPU66	CHAN, Che-Kai	
[622] Preliminary design of the normal conducting RF cavities for EIC hadron storage ring	XIAO, Binping	
[1391] Development of a spill-structure manipulation cavity and first experiment with beam in SIS18	LENS, Dieter	
[484] Network status for PAL-XFEL	BAEK, Soung Youl	
[1755] Studies of operation and control of CW magnetrons for HEP and ADS accelerators	KAZAKEVICH, Grigory	
[687] Preliminary results on X-Band structures for the Eupraxia@SPARC_LAB project	ALESINI, David	
[1949] Models for power combining magnetrons in a magic tee	LAUT, Alexander	
[1078] Distributed coupling linac for efficient acceleration of high charge electron bunches	DHAR, Ankur	
[491] The mechanical behavior of the EIC beam screen during a magnet quench	MORRONE, Marco	
[1223] Test magnet for the EIC Rapid Cycling Synchrotron	WITTE, Holger	
[375] Development of test bench for 324 MHz superconducting cavity power couplers	FAN, MengXu	
[1633] Adjoint approach to the design of vacuum RF sources	VLASOV, Alexander	
[1919] Electron stimulated desorption using a Compton electron beam on PHIL facility	BILGEN, Suheyla	
[430] Influence of reduced baking time of Taiwan photon source front-end system on dynamic pressure	CHAN, Che-Kai	
[1598] Advanced charge selector for stripped heavy ion beams	PLASTUN, Alexander	
[801] A power amplifier based on rad-hard gallium nitride FETs for the 10 MHz cavities of the CERN proton synchrotron	GNEMMI, Giulia	
[1979] Solid state amplifier project at the Advanced Photon Source	HORAN, Douglas	
[1945] Preserving, restoring and conditioning the RF cavities of the storage ring for the Advanced Photon Source upgrade	GOEL, Aditya	
[871] Findings of simulation studies for the fast corrector magnets of PETRA IV	CHRISTMANN, Jan-Magnus	
[1566] Design of dipole magnets for luminosity pair spectrometer subsystem at the detectors of Electron Ion Collider	WITTE, Holger	
[673] Exploring high gradient limit with cryogenic experiments at FREIA laboratory	COMAN, Mircea	
[1819] Novel radiation durable composite materials	BRAND, Courtney	
[1820] Studying the properties of particle accelerator cavity materials	TRACHANAS, Emmanouil	
[1563] RF power station stabilization techniques and measurements at LNF-INFN	PIERSANTI, Luca	
[1629] PSI's open-source FPGA DSP libraries	Mr STEF, Benoit	
[1341] Design of A 500 MHz Normal-Conducting Cavity for Main Rings of Super Tau-Charm Facility	CAO, Zexin	

[1883] Identifying Downtime Sources in CEBAF SRF Linac Systems for Improving Its Reliability	HRYHORENKO, Oleksandr	
[407] Vacuum acceptance test of vacuum chambers for early science FAIR	SUHERMAN, Phe	
[1800] Geometry-based design of high power RF sources with the Neptune 3D EM-PIC code	COOKE, Simon	
[1926] DYVACS code: calculation of gas density profiles for dynamic conditions in FCCee accelerator.	BILGEN, Suheyla	
[1498] Modeling of single-beam and multiple-beam klystrons by the TESLA-family of large-signal codes	Dr CHERNYAVSKIY, Igor	
[1148] Research of plasma discharge process of magnetron sputtering coating for NEG film in the IAU vacuum chamber	WANG, Pengcheng	
[1300] Simulation study of a 300 keV positive ion linac for D and T fusion	KAHN, Stephen	
[1670] Extended Jiles-Atherton hysteresis model to accurately predict fields in a Rapid Cycling Synchrotron dipole magnet	SINGH, Harshita	
[514] RF design of a C-band spherical pulse compressor for Super Tau-Charm linac	CAO, Zexin	
[1983] Progress on the normal conducting magnets for the Electron-Ion Collider	WITTE, Holger	
[1092] Dark current simulations in accelerating structures operating with short RF pulses	RIJAL, Gaurab	
[1732] Sextupole misalignment and defect identification and remediation in IOTA	WIELAND, John	
[827] Design of an 805 MHz cavity with thin beryllium windows and distributed coupling for muon ionization cooling	MERENICH, Dillon	
[1338] Development of prototype magnets for the ultralow emittance storage ring ALBA II	MARCOS, Jordi	
[2028] Engineering studies on collimators for CERN's experimental areas	NEVAY, Laurence	
[1479] Influence of deposition parameters on structures and vacuum properties of NEG coated vacuum chamber	CAO, Zexin	
[431] Pumping characteristics of Zr and TiZrV getter films	CHAN, Che-Kai	
[1771] Novel injection locked coaxial magnetrons	POPOVIC, Milorad	
[1654] Transistor load imbalances within a 6:1 smart combining structure during an output short condition	LAU, Marcus	
[873] Transient finite-element simulations of fast-ramping muon-collider magnets	CHRISTMANN, Jan-Magnus	
[1002] LANSCE 805 MHz klystron performance analysis	VALLADARES, Jesus	
[1873] Realizing high average power temporal laser shaping for photocathode emittance reduction	HIRSCHMAN, Jack	
[1245] Design fabrication and measurements of a quadrupole wiggler prototype	QIAN, Maofei	
[1861] Self-correction coil for RCS dipole in Electron Ion Collider	Dr RANJBAR, Vahid	
[1150] Injection magnet system for Korea-4GSR facility	HAHN, Garam	
[1632] Harmonic EU cavity Transdamper improvements	OCAMPO, Jesus	
[1650] Review of the complex baseband RF cavity model and its applications	JACHIM, Stephen	
[1348] LHC abort gap monitor electronics upgrade	PACNER, Petr	
[421] Integrated Pole Design of Permanent Magnet Quadrupole	DONG, Shaoxiang	
[1916] High vacuum measurements at a linear inductive accelerator module	Dr DRAGANIC, Ilija	

[1070] Operation of TPS 300 kW solid-state amplifier	LIU, Zong-Kai	
[588] Exploring convective heat transfer coefficients in fully developed flows: a combined CFD analysis and experimental validation for common geometries in particle accelerators	Dr QUISPE, Marcos	
[1422] Stress-strain state analysis of the first-grade titanium foil of the accelerator output window in a static state	Dr GRIGORYAN, Armen	
[684] Advancements in X-band technology at the TEX facility at INFN-LNF	PIERSANTI, Luca	
[1689] Analysis of laser engineered surface structures' roughness and surface impedance	KRKOTIC, Patrick	
[1613] Intra-undulator magnets for the SABINA THz FEL line: magnets design, manufacturing and measurements	SABBATINI, Lucia	
[1142] Setup of Goubau Line system for impedance-measurement of vacuum components at the NSRRC	CHAN, Che-Kai	
[1792] Progress on the magnetron R&Ds for industrial particle accelerators	WANG, Haipeng	
[437] Fundamental power couplers development at CSNS campus	FAN, MengXu	
[1951] Design and test plans for a 1.3-GHz, 100-kW high-efficiency IOT amplifier	OTHMAN, Mohamed	
[814] High temperature superconducting RF cavity	DHAR, Ankur	
[465] New design techniques on matching couplers for travelling wave accelerating structures	CAO, Zexin	
[850] Waveguide system for SRF cryomodule in KEK	JOSHI, Prakash	
[973] Solder cryogenic fatigue of the RHIC 12x150A current leads and mitigation for future operation	MICOLON, Frederic DREES, Kirsten	

Tuesday Poster Session: TUPS - Blues (16:00 - 18:00)

[id] title	presenter	board
[1816] Fast 6-dimensional phase space reconstructions using generative beam distribution models and differentiable beam dynamics	ROUSSEL, Ryan	
[1687] Data-driven model predictive control for automated optimization of injection into the SIS18 synchrotron	MADYSA, Nico	
[1767] Progress on combining digital twins and machine learning based control for accelerators at SLAC	EDELEN, Auralee	
[706] An overview of the proton storage ring upgrade at LANSCE	LEWELLEN, John	
[535] SRF cavity instability detection with machine learning at CEBAF	FERGUSON, Hal	
[521] Status of machine learning based beam size control during user operation at the Advanced Light Source	HELLERT, Thorsten	
[568] Optimization of a welding procedure for making critical aluminum welds on the LBNF absorber core block	DESHPANDE, Abhishek	
[1773] ROCK-IT – a demonstrator for automation and remote-access to synchrotron beamlines	WIDMANN, Christina	
[1614] HL-LHC magnets production: building a complex planning to identify bottlenecks	FLEURY, Sarah	
[2056] Analysis of neutron spectra of candidate materials for potential moderator locations in the NEAR station at the CERN/n_TOF facility	STANKUNAS, Gediminas	

[709] Update and improvement planning at the Los Alamos Neutron Science Center (LANSCE)	CARLSTEN, Bruce	
[2053] Progress towards the completion of the Proton Power Upgrade project	CHAMPION, Mark	
[1962] Future directions for RF buncher at LANSCE proton storage ring	LYLES, John	
[936] Optimization of a longitudinal bunch merge gymnastic with reinforcement learning	GAO, Yuan	
[1723] Machine learning assisted control and data analysis for an MeV ultrafast electron diffraction beamline and photocathode laser system	BOLIN, Trudy	
[1292] The energy spread measurement for the CSNS linac	HAN, Yanliang	
[1740] Status of helium ion beams commissioning at MedAustron ion therapy center	GUIDOBONI, Greta	
[1249] Beam commissioning and upgrade considerations for the CSNS RCS	HUANG, Ming-Yang	
[1414] PulseOne, first FLASH-ready LINAC timing/trigger system	JAKOS, Anze	
[591] SRF cavity fault prediction using deep learning at Jefferson Lab	RAHMAN, Monibor	
[1473] Slow extraction of a dual-isotope beam from SIS18	ONDREKA, David	
[1686] Towards few-shot reinforcement learning in particle accelerator control	SCOMPARIN, Luca	
[450] A data science and machine learning platform supporting large particle accelerator control and diagnostics applications	ALLEN, Christopher	
[454] Machine learning enabled model predictive control of the FRIB RFQ	WAN, Jinyu	
[1890] Virtual diagnostics and ML-based longitudinal stability corrections at the Fermilab linac	SHARANKOVA, Ralitsa	
[1533] Vertical quadrupole electric field systematics and its mitigation in the proton-EDM ring	LEE, Jonathan	
[2308] Magnetic field modelling and symplectic integration of magnetic fields on curved reference frames for improved synchrotron design: first steps	VAN DER SCHUEREN, Silke	
[742] Generative deep learning for 6D phase space diagnostics via physics-constrained neural networks, physics models, and adaptive feedback	SCHEINKER, Alexander	
[1913] A novel two stage collimation unit for Fermilab booster	BHAT, Chandra	
[599] The Data Platform: an independent system for management of heterogeneous, time-series data to enable data science applications	MCCHESENEY, Craig	
[1769] Simulation study on an electron cloud and plasma waves confined in GL2000 device	DÖNGES, Thomas	
[1600] Schedule management for large scale project: the example of HL-LHC at CERN	FLEURY, Sarah	
[958] PIP-II laser beam profile monitor laser system	LANDON, Parker	
[1729] Study of longitudinal effects during transition crossing of the EIC hadron storage ring	LOVELACE III, Henry	
[1887] Dielectric wakefield accelerators: tuning THz radiation via coherent Cerenkov radiation for biomedical applications	Dr YADAV, Monika	
[1162] Preliminary results on the reinforcement learning-based control of the microbunching instability	SCOMPARIN, Luca	
[1227] Numerical simulation study on the mechanism of emittance growth and beam loss arising from magnetic field ripples in J-PARC MR	SATO, Yoichi	
[1871] Enhancing plasma wakefield accelerator analysis through machine learning	Dr YADAV, Monika	

[795] Shower simulations for the CERN proton synchrotron internal dump and possible shielding options	NIANG, Samuel	
[2013] Radiographic source prediction for linear induction accelerators using machine learning	KOGLIN, Jason	
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