LPA Special Workshop on Intelligent Systems

Montag, 13. Januar 2025

Poster session (18:00 - 19:30)

time	[id] title	presenter
18:00	[4] Multi-Objective Bayesian Optimization for Laser-Plasma Acceleration:	TCHETOVSKY, Semion
18:00	[40] Laser-driven Ion Acceleration at the Centre for Advanced Laser Applications	BACHHAMMER, Michael
18:00	[10] The Application of Artificial Intelligence Technology in Compact Laser Plasma Accelerator at Peking University	Prof. CHEN, Ke
18:00	[35] Bivoj/Dipole100 laser system as a potential pump source for high-energy ultrafast laser systems	PILAR, Jan Dr. DIVOKY, Martin Herr PALIESEK, Tomas
18:00	[5] Numerical optimization of quantum vacuum signals	VALIALSHCHIKOV, Maksim
18:20	[25] Automation and stabilization of the front-end at PHELIX	ZOBUS, Yannik
18:20	[19] Towards automated stable operation of a cryogenic hydrogen jet for laser-driven ion acceleration	MÜLLER, Maximilian
18:20	[11] Implementation of RDMA-based system for High-throughput Image Transmission in Laser Plasma Accelerator	Dr. LI, min
18:20	[15] Optimizing Energy Efficiency and Environmental Control in Modern Scientific Facilities Utilizing Machine Learning and Digital Twin Technology	PECELI, Davorin
18:20	[38] Launching the Adaptive Laser Architecture Development and INtegration (ALADIN) Program - A Preview	OHLAND, Jonas Benjamin
18:40	[37] HELPMI: towards a standard for Laser and Plasma experiment data	SCHLENVOIGT, Hans-Peter
18:40	[17] Enroute to Automated Optimization of Laser-Ion Acceleration	SCHWEIGER, Florian
18:40	[12] All Optical Emittance Characterization of Laser-Accelerated Electron Beams	KOZAN, Alperen
18:40	[26] Deconvolution of Arbitrary Spectrum from Linear Absorption Spectrometers measurements using Machine Learning	BRAINTHRA, Anandaeaswaran
18:40	[20] Realtime diagnostics for source-to-sample characterization of laser-driven proton beams towards automated accelerator and beamline operation for radiobiological applications	SCHILZ, Joshua
19:00	[8] Systematic study of the fs laser-driven target surface electron (TSE) beam and its applicative explorations	Prof. MAO, Jingyi
19:00	[28] Few-Shot Fourier Transform Spectroscopy and Application to Spatiospectral Sensors	SCHRÖDER, Jakob Maria
19:00	[18] Advanced Controls and Machine Learning at FLASHForward	BOULTON, Lewis
19:00	[27] Leveraging Bayesian inference in single-shot measurements of spatio-temporal couplings	ESSLINGER, Jannik Maximilian