ID	Name	Affiliation	Title
B1-8-O1	Samuel Jackson	UKAEA	Towards Open Machine Learning Datasets for Fusion Research with Active Learning
B1-8-O2	Riccardo Rossi	Università degli Studi di Roma	Integrating Deep Learning with Plasma Physics for Accurate and Reliable Multi-Diagnostic and Time-Constrained Inverse Problem Methodologies in Nuclear Fusion
B1-8-O3	Bihao Guo	Institute Of Plasma Physics Chinese Academy Of Sciences	Overview of AI-based MHD events and disruption prediction on EAST tokamak
B1-9-I1	Yuya Morishita	Kyoto University	Adaptive model predictive control of fusion plasma based on data assimilation system ASTI
B1-9-I2	Azarakhsh Jalalvand	Princeton University	AI-Driven Advancements in Tokamak Diagnostics, Control, and Scenario Optimization
B1-9-I3	Zongyu Yang	Southwestern Institute of Physics	Towards integrated and robust control: a unified fusion plasma status embedding based on Transformer and masked auto-encoder.
B1-9-I4	Yue Yu	Institute of Plasma Physics, Chinese Academy of Sciences	Real-Time Detachment Forecaster: Decoding X-Point Radiation in Impurity-Seeded Plasmas
B1-9-O1	RYOTA YONEDA	NTT Space Environment and Energy Laboratories	Offline Reinforcement Learning by Decision Transformer for Tokamak Plasma Control
B1-9-O2	Kai ZHONG	Anhui University	The instability prediction of non-resonant energetic particle modes based on machine learning algorithms
B1-9-O3	Runyu Luo	Huazhong University of Science and Technology	A Preliminary Investigation into the Prediction of Tearing Mode Evolution Using Deep Learning
B1-10-I1	Mitsuru Honda	Kyoto University	Transport model surrogates via Gaussian process regression
B1-10-I2	Aaro Järvinen	VTT	Towards scalable large-scale model validation with data science
B1-10-I3	Shinya Maeyama	National Institute for Fusion Science	Improvement of turbulent transport model using multi-fidelity data fusion approach
B1-10-I4	Alex Panera Alvarez	DIFFER	Pellet Fueling: AI-Enhanced Surrogate Modeling and Integrated Modelling
B1-10-O1	Yong Xiao	Zhejiang University	AI Surrogate Model for Turbulent Transport in Tokamak Plasmas Using Gyrokinetic Simulation Data and Machine Learning
B1-10-O2	Kotaro Fujii	Nagoya University	Causal relationship from multivariate time series and dominant scale for ITG turbulent transport
B1-10-O3	Shan Wei	Shanghai Jiao Tong University	Three-dimensional Radiation Reconstruction Based on X-ray Imaging via Convolutional Neural Network
B1-P1	Tatsushi Yano	Osaka Metropolitan University	Unsteady evaluation method of heat flux on plasma-irradiated targets from long-discharge plasmas and accurate consideration of cooling effects
B1-P2	Yao Wang	Harbin Institute of Technology	Research of plasma multi-color imaging diagnosis based on metasurface
B1-P3	YUNFEI WANG	Institute of Plasma Physics, Chinese Academy of Science	Power balance analysis of high-parameter long-pulse discharges on EAST
B1-P4	yubo zhang	Institute of Plasma Physics, Chinese Academy of Sciences	Study on fast deuterium ion physics based on neutron camera diagnostic technology for EAST high performance plasma experiment
B1-P5	Kunal Singha	Institute for Plasma Research	Understanding Nonlinear Capacitive Probe Response in Nonneutral Plasma Diagnostics
B1-P6	Hayato Kawazome	National Institute of Technology (KOSEN), Kagawa college	Numerical study of He I 1s1S-2p1P radiation trapping in high-ambient gas pressure thermal arc plasma
B1-P7	Tomohide Suetsugu	Kyushu University	Measurement of spatial structures of fluctuations during the startup of tokamak plasmas in the PLATO tokamak by HIBP
B1-P8	Ryusuke Hamada	Hiroshima University	Self-absorption of He resonance line outside of the plasma
B1-P9	Sami Ul Haq	NILOP C PIEAS	Characterisation of magnetically confined laser induced copper plasma
B1-P18	Hong Wang	Anshan Normal University	Simulation of device in low density plasma: From spacecraft to dust particle
B1-P19	Woongil Ji	Korea Advanced Institute of Science and Technology	Electrostatic PIC simulation of low temperature plasma in cusp-shaped magnetic field for deuterium ion source
B1-P20	Harune Sekido	Nagoya University	Correction of Numerical Errors at Current Sources in Explicit Finite-Difference Time-Domain Method for Plasma Kinetic Simulations
B1-P21	Xinyu Ge	ISEE	Suppressing numerical errors in higher-order Finite-Difference Time-Domain methods
B1-P22	Nitish Ghosh	Indian Institute of Technology Roorkee	A detailed collisional radiative model for Ti plasma
B1-P23	Jin Wook Kang	KAIST	Calculation of two-dimensional electromagnetic fields in a Cylindrical Inductively Coupled Plasma
B1-P32	Zijie Liu	Institute of Energy, Hefei Comprehensive National Science Center	Plasma electron density profile tomography for EAST based on integrated data analysis
B1-P33	Emi Narita	Kyoto University	Empirical transport modeling for the edge region of H-mode plasmas for integrated simulations
B1-P34	Yuita Shirasawa	NTT Space Environment and Energy Laboratories	Identification of reduced-order models by sparse regression with oracle property
B1-P40	Kun-Han Lee	National Center for High-performance Computing, NIAR	Development of Digital Twin for Taiwan's First Spherical Tokamak (FIRST): Simulation, Diagnostics, and Integration Framework
B1-P41	Suho Kim	Department of Physics and Photon Science, GIST	Correction of Beam Deflection Effects in Interferometry for Near-critical Density Plasma Diagnostics
B1-P42	Pengze Xiao	Huazhong University of Science and Technology	Numerical Simulation of Thermally Sustained Micro Discharge at Atmospheric Pressure by PIC/MCC-DSMC Coupled Method
B1-12-I1	Addam Kit	VTT, Technical Research Centre of Finland	State representation learning of pedestal plasmas
B1-12-I2	Satoru Tokuda	Kyushu University	Utilization and development of Bayesian statistics in plasma physics
B1-12-I3	Xishuo Wei	University of California, Irvine	The low-dimensional representation of Quasi-Helical stellarator geometry
B1-12-O1	YU ZHONG	Huazhong University of Science and Technology	Disruption Prediction for Different Operational Phase Based on Disruption Budget
B1-12-O2	Chengshuo Shen	Huazhong University of Science and Technology	Transferable and interpretable disruption prediction based on physics-guided machine learning
B1-12-O3	Sukma Wahyu Fitriani	Kyushu University	Predicting Plasma-Deposited Thin Film Properties Using Machine Learning based on Optical Emission Spectroscopy
B1-12-O4	Tomoyuki Murakami	Seikei University	Complex network analysis in plasma chemistry