Poster Session   (rev4: 10 August 2022)

#	Remo Floor & Table	Presenter	Title
P-1	1F-01	M. Sengupta	Novel methods in device simulations of low temperature discharges and single-species plasma configurations
P-2	1F-02	K. M. Verma	Scalable Multi-node Spectral Solvers on GPUs
P-3	1F-03	B. S. Thapa	COMBINED EFFECT OF PHOTOELECTRIC AND THERMIONIC EMISSION ON DUST CHARGE FLUCTUATION AND ION ACOUSTIC WAVE PROPAGATION IN PLASMA
P-4	1F-04	M. Honda	Multimodal convolutional neural networks for predicting evolution of gyrokinetic simulations
P-5	1F-05	Mingqiang Li	RETRIEVING MAGNETIC FIELD STRUCTURE FROM MULTI-ENERGY PROTON RADIOGRAPHS USING CONVOLUTIONAL NEURAL NETWORK
P-6	1F-06	T. Takizuka	Correction of Numerical Heating in Global Plasma Simulation with Particle-in-Cell Model
P-7	1F-07	S. Biswas	Accuracy of a pseudo-spectral MHD solver over a grid based solver: A Comparative Study between GMHD3D code & PLUTO 4.4 code
P-8	1F-08	Wenqiu Li	Numerical analysis of mode conversion characteristics of low-frequency waves in cold magnetized plasma
P-9	1F-09	Jingwen Xu	Nonlinear Bidirectional Lumped-Circuit, Transmission Line and Particle-In-Cell Coupling Model
P-10	1F-10	D. Gorasiya	A comparative study on denoising strategies for imaging diagnostics data from tokamak plasma experiments
P-11	1F-11	S. Basnet	EFFECT OF NEGATIVELY BIASED ELECTRODE ON TWO ION SPECIES PLASMA SHEATH AND LEVITATION OF DUST PARTICLE
P-12	1F-12	T. Shimizu	Linear Theory of Tearing Instability with Open Boundary Conditions
P-13	1F-13	S. Baruah	SPONTANEOUS ORDERING IN LANE FORMATION DYNAMICS OF A 3D PAIR ION PLASMA
P-14	1F-14	S. Chandra	Employing Symbolic Simulation technique to study the Evolution of Envelop Soliton and Associated Instability during Intense Laser Plasma Interaction
P-15	1F-15	H. Miura	Growth of current tearing interchange mode under presence of two-fluid and gyro-viscous effects
P-16	1F-16	Subhasish Bag	Numerical Simulations of the Expanding Magnetized Plasma in an ECR Thruster Experiment
P-17	2F-01	J. Mahapatra	Role of in-plane and out-of-plane shear flow on island coalescence problem
P-18	2F-02	Bo Li	Self-organized confinement in whole-plasma simulations of laboratory magnetospheres
P-19	2F-03	Lei Chang	Numerical computations on the spatial non-uniformity and temporal evolution of helicon discharge
P-20	2F-04	Youmei Wang	Cluster and pattern formation by charged grains under external central force and transverse magnetic field
P-21	2F-05	A. Mukherjee	WAVE BREAKING FIELD OF RELATIVISTICALLY INTENSE ELECTROSTATIC WAVES IN ELECTRONEGATIVE PLASMA WITH SUPER-THERMAL ELECTRONS
P-22	2F-06	R. A. Miranda	Spectral Entropy of Turbulence in Numerical Simulations of Astrophysical Plasmas, and Plasma Propulsion Devices

P-23	2F-07	M. Shah	2D PIC-MCC simulations of instabilities in the magnetic filter region of low temperature plasma based negative ion sources: the effect of chamber walls
P-24	2F-08	G. Barsagade	SIMULATION OF A NONLINEAR WHISTLER WAVE IN THE PLASMA
P-25	2F-09	A. Paul	KINETIC PLASMA MODELLING, GPU PARALLELIZATION AND APPLICATION TO PHYSICS PROBLEM
P-26	2F-10	A. Chugh	Large Scale Molecular Dynamics Study on Phase Dynamics of mixture of active and passive finite mass Yukawa particles
P-27	2F-11	E. Rojas	Fluid simulations of Farley-Buneman instabilities: Model description and applications
P-28	2F-12	Tong Liu	Prevention of unexpected explosive bursts during NTM control by ECCD for disruption avoidance
P-29	2F-13	L. Zheng	ATEQ: Adaptive Toroidal EQuilibrium code and its applications
P-30	2F-14	Hanzheng Li	Nonlinear magnetohydrodynamic effects on waveform distortion and plasma flow of off-axis fishbone instability in tokamak plasma
P-31	2F-15	R. Seki	Simulations of fast-ion transport due to the Alfvén eigenmode burst in Large Helical Device
P-32	2F-16	Jialei Wang	Self-consistent simulations of ICRF-induced Alfvén eigenmodes in toroidal plasmas
P-33	3F-01	P. Adulsiriswad	HYBRID SIMULATION OF INTERACTION BETWEEN ENERGETIC PARTICLES AND MAGNETOHYDRODYNAMIC MODES IN THE JT-60SA INDUCTIVE SCENARIO
P-34	3F-02	Wenhao Wang	Simulation of 2D electrostatic presheath potential in FRC SOL
P-35	3F-03	J. Sakano	Gyrokinetic Simulation of Trapped Electron Mode in Ring Dipole Magnetic Configuration
P-36	3F-04	F. A. L. Piragibe	Lagrangian Chaotic Mixing Due To Resistive Drift-Wave Turbulence In A Transition From Low-to-High Confinement In Fusion Plasmas
P-37	3F-05	S. G. S. P. Costa	SPECTRAL ENTROPY OF RESISTIVE DRIFT-WAVE TURBULENCE IN A TRANSITION FROM LOW-TO-HIGH CONFINEMENT IN FUSION PLASMAS
P-38	3F-06	M. Idouakass	Nonlinear Numerical Study of Energetic Particle Transport in ITER Plasmas and Comparison with Current DIII-D Results
P-39	3F-07	N. Gupta	Ion Acoustic Decay Instability of Elliptical q-Gaussian Laser Beams in Plasma with Axial Density Ramp
P-40	3F-08	O. Kamboj	Stimulated Raman Scattering Coupled with Decay Instability in a Magnetized Plasma with Hot Drifting Electrons
P-41	3F-09	I. Khan	Effect of target front geometry in TNSA based ion acceleration
P-42	3F-10	D. K. Kuri	Effect Of Laser Pulse Asymmetry On Harmonic Generation
P-43	3F-11	T. Kotani	Simulation study of the harmonic structure of lower hybrid waves driven by energetic ions
P-44	3F-12	A. Sahade	Magnetic Cages: a Key to Determining Whether a Flux Rope Will Erupt
P-45	3F-13	M. Cécere	Sausage Modes Excitation In Coronal Loops
P-46	3F-14	T. Sakaki	Feedback instability analysis of auroral growth in the dipole field configuration
P-47	3F-15	J. Jansky	Numerical modeling of coplanar barrier discharge in air
P-48	3F-16	A. R. Karimov	Amplification of nonlinear oscillations of electron beam in crossed time-periodic magnetic field