

ISSS-15 + IPELS-16

Monday 5 August 2024

ISSS poster: 1 (13:30 - 18:20)

[id] title	presenter	board
[16] Hybrid particle simulations of mirror instabilities and waves	CHANG, Chun-Kai	
[17] Turbulence in Molecular Clouds - A laboratory for understanding waves in partially ionized media	HEPPE, Christian	
[81] Global MHD and Test-Particle Simulations of Solar Wind Charge Exchange from the Earth's magnetospheric boundaries	KOZHICKOTTUPARAMBIL RAMACHANDRAN, Ardra	
[73] Discovering Fluid Closure Equations using Machine Learning	JESS, Emanuel	
[84] Magnetosheath jet contribution to mass, energy, and flux transport in the magnetosheath using Amitis	KRÄMER, Eva	
[91] Linear analysis of the parametric decay instability in the expanding solar corona considering temperature anisotropy	SAGUCHI, HAYATO	
[52] Modelling the interaction of Galactic Cosmic Rays and Coronal Mass Ejections: Combined MHD and Test Particle simulations.	NORMAN, Helen	
[76] Curvilinear magnetic fields and ULF waves: A local frame approach to linear MHD waves analysis	ISONO, Ko	
[66] Particle acceleration at magnetized oblique mildly relativistic shocks	TORRALBA PAZ, Gabriel	
[50] Relaxation of the Courant Condition and Reduction of Numerical Errors in the Explicit Finite-Difference Time-Domain Method for Plasma Kinetic Simulations	Ms SEKIDO, Harune	
[60] Supernovae as cosmic-ray sources in cosmological hydrodynamical simulations	KARNER, Daniel	
[146] Structure and acceleration processes of electrons in astrophysical shock environment using PIC simulation	DEVOS, Valentine	

Wednesday 7 August 2024

ISSS poster: 2 (13:30 - 18:00)

[id] title	presenter	board
[23] Effects of Alpha Particle Fraction on Kinetic Plasma Turbulence	XIONG, Qiyang	
[115] Study of atmospheric ion escape from exoplanet TOI-700 d based on global multi-species MHD simulations	NISHIOKA, Tomoaki	
[38] Nonlinear Drift-Bounce Resonance Between Charged Particles and Ultralow Frequency Waves	LI, Li	
[95] Effect of plasma composition on the dynamics of astrophysical jets	JOSHI, RAJ KISHOR	
[89] Behaviour of Kinetic Electron Instabilities in the Magnetosheath Modelled with Semi-Implicit PIC	O'NEILL, Stuart	
[100] Kinetic Simulations of Collisionless Shock Formation in the Dark Sector	GIFFIN, Pierce	
[41] Evaluating the uncertainties in global MHD and Test-Particle simulations of the Earth's radiation belts	TONG, YIHUI	
[57] Simulating ribs and tethers in AGN jets	NIKITA, Nikita	
[137] On the Effect of Driving Turbulent-like Fluctuations on a Harris-Current Sheet Configuration and the Formation of Plasmoids	Dr RUEDA, Jeffersson Agudelo	
[93] Particle Acceleration due to Magnetic Reconnection in Laser-Powered Capacitive Coils	POMRANING, Geoffrey	
[143] Examining Wave Instabilities from a Global PIC Model of the Earth's Magnetosphere	ECHTERLING, Nicole	