



# 20th European Fusion Theory Conference 2-5 October 2023, Padova - Italy

## Wednesday 4 October 2023

### Poster session: 02: P2 - Sala Egizia (16:00 - 18:00)

time	[id] title	presenter
16:00	[98] Application of three-ion ICRF scenarios for optimizing ion heating in the ramp-up phase in future tokamaks	KAZAKOV, Yevgen
16:04	[96] Electron temperature effects on plasmoids and Kelvin-Helmholtz vortices in collisionless turbulent plasmas	BORGOGNO, DARIO
16:08	[91] Modulational instability in isolated dynamics of Geodesic-Acoustic-Mode packets	KORGER, David
16:16	[87] SOLPS-ITER modelling of plasma rotation with co-rotating atoms in the Magnum-PSI beam	DE BLANK, Hugo
16:20	[84] Breakdown time estimation for EC-assisted start-up in tokamaks	Dr TSIRONIS, Christos
16:24	[82] Quasi-isodynamic stellarator optimisation for several periodicities	GODINO-SEDANO, Guillermo Luis
16:28	[80] Fast evaluation of the bootstrap current in stellarators	ESCOTO LOPEZ, Francisco Javier
16:32	[79] Finding Stable Quasi-Isodynamic Designs (SQIDs) for Stellarators	GOODMAN, Alan
16:36	[78] RF-NBI schemes for fast-ion generation in the next operation phases of Wendelstein 7-X	SLABY, Christoph
16:40	[75] Enrichment of impurities seeded for exhaust control in spherical tokamak power plant geometry	NEWTON, Sarah
16:44	[74] Preliminary assessment of deterministic kinetic modeling for neutral particles in the JET sub-divertor	Dr MISDANITIS, Serafeim
16:48	[42] Investigation of the Various Damping Channels of TAEs applied to Spherical Tokamaks	CHULU CHINN, Noah
16:52	[71] Integral dielectric kernels for Maxwellian tokamak plasmas	Dr LAMALLE, Philippe
16:56	[70] Kinetic Analysis of the collisional layer	ABAZORIUS, Mantas
17:00	[69] Simulation of fully global electromagnetic turbulence in the stellarator W7-X	NARBUTT, Yann
17:04	[68] Plasma edge simulations using Sparselizard C++ finite element library	HALBACH, Alexandre
17:08	[67] E×B drift physics on open field lines in a drift-kinetic model	HARDMAN, Michael Richard
17:12	[63] Demonstration of moment-kinetics approach for edge modelling	OMOTANI, John
17:16	[62] Robust stellarator optimization via flat mirror magnetic fields	VELASCO, José Luis
17:20	[61] Description of magnetic field lines without arcana	MOMO, Barbara
17:24	[59] Reconnection processes in 3D MHD modeling of Reversed Field Pinch magnetic self-organization	CAPPELLO, Susanna
17:28	[57] Importance of Parallel Dispersion in ICRF Modelling of Travelling Wave Antenna Concept in DEMO-Like Plasmas in 2D Axisymmetry	ZAAR, Björn

17:32	[56] Modelling Intrinsic Rotation Reversals in JET Plasmas	FERREIRA NAVE, Maria Filomena
17:36	[54] Turbulence driven magnetic islands in high- $\beta$ plasmas: generation and non-linear dynamics	Dr DUBUIT, Nicolas
17:40	[90] Implementation of an analytical Jacobian in the MEQ free-boundary tokamak equilibrium code suite	MERLE, Antoine Pierre Emmanuel Alexis
17:44	[51] A solver for energetic particles transport in constants of motion space with collision and phase space zonal structures in tokamak plasmas	MENG, Guo
17:48	[24] Linear equations for stellarator local MHD equilibria around irrational and rational flux surfaces	PARRA, Felix
17:52	[19] Maximum-J properties for finite- $\beta$ collisionless microinstabilities in general geometry	ZOCCO, alessandro
17:56	[7] Effects of the nonlinear inverse bremsstrahlung absorption on the dispersion and damping of electron plasma waves	Dr TOUIL, Boumediene