

Session Program

2-5 Oct 2023



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

Poster session: 02

Caffè Pedrocchi, Sala Rossini
Piazzetta Cappellato Pedrocchi, 17, Padova GPS: 45.4076321 N, 11.8772911 E

Wednesday 4 October

16:00

Poster session: 02: P2

Session

Location: Caffè Pedrocchi, Sala Egizia, Piazzetta Cappellato Pedrocchi, 17, Padova GPS: 45.4076321 N, 11.8772911 E

16:00-16:04

Application of three-ion ICRF scenarios for optimizing ion heating in the ramp-up phase in future tokamaks

Speaker

Yevgen Kazakov

16:04-16:08

Electron temperature effects on plasmoids and Kelvin-Helmholtz vortices in collisionless turbulent plasmas

Speaker

DARIO BORGOGNO

16:08-16:12

Modulational instability in isolated dynamics of Geodesic-Acoustic-Mode packets

Speaker

David Korger

16:16-16:20

SOLPS-ITER modelling of plasma rotation with co-rotating atoms in the Magnum-PSI beam

Speaker

Hugo de Blank

16:20-16:24

Breakdown time estimation for EC-assisted start-up in tokamaks

Speaker

Dr Christos Tsironis

16:24-16:28

Quasi-isodynamic stellarator optimisation for several periodicities

Speaker

Guillermo Luis Godino-Sedano

16:28-16:32

Fast evaluation of the bootstrap current in stellarators

Speaker

Francisco Javier Escoto Lopez

16:32-16:36

Finding Stable Quasi-Isodynamic Designs (SQIDs) for Stellarators

Speaker

Alan Goodman

16:36-16:40

RF-NBI schemes for fast-ion generation in the next operation phases of Wendelstein 7-X

Speaker

Christoph Slaby

16:40-16:44

Enrichment of impurities seeded for exhaust control in spherical tokamak power plant geometry**Speaker**

Sarah Newton

16:44-16:48

Preliminary assessment of deterministic kinetic modeling for neutral particles in the JET sub-divertor**Speaker**

Dr Serafeim Misdanitis

16:48-16:52

Investigation of the Various Damping Channels of TAEs applied to Spherical Tokamaks**Speaker**

Noah Chulu Chinn

16:52-16:56

Integral dielectric kernels for Maxwellian tokamak plasmas**Speaker**

Dr Philippe Lamalle

16:56-17:00

Kinetic Analysis of the collisional layer**Speaker**

Mantas Abazorius

17:00-17:04

Simulation of fully global electromagnetic turbulence in the stellarator W7-X**Speaker**

Yann Narbutt

17:04-17:08

Plasma edge simulations using Sparselizard C++ finite element library**Speaker**

Alexandre Halbach

17:08-17:12

 $E \times B$ drift physics on open field lines in a drift-kinetic model**Speaker**

Michael Richard Hardman

17:12-17:16

Demonstration of moment-kinetics approach for edge modelling**Speaker**

John Omotani

17:16-17:20

Robust stellarator optimization via flat mirror magnetic fields**Speaker**

José Luis Velasco

17:20-17:24

Description of magnetic field lines without arcana

Speaker

Barbara Momo

17:24-17:28

Reconnection processes in 3D MHD modeling of Reversed Field Pinch magnetic self-organization**Speaker**

Susanna Cappello

17:28-17:32

Importance of Parallel Dispersion in ICRF Modelling of Travelling Wave Antenna Concept in DEMO-Like Plasmas in 2D Axisymmetry**Speaker**

Björn Zaar

17:32-17:36

Modelling Intrinsic Rotation Reversals in JET Plasmas**Speaker**

Maria Filomena Ferreira Nave

17:36-17:40

Turbulence driven magnetic islands in high- β plasmas: generation and non-linear dynamics**Speaker**

Dr Nicolas Dubuit

17:40-17:44

Implementation of an analytical Jacobian in the MEQ free-boundary tokamak equilibrium code suite**Speaker**

Antoine Pierre Emmanuel Alexis Merle

17:44-17:48

A solver for energetic particles transport in constants of motion space with collision and phase space zonal structures in tokamak plasmas**Speaker**

Guo Meng

17:48-17:52

Linear equations for stellarator local MHD equilibria around irrational and rational flux surfaces**Speaker**

Felix Parra

17:52-17:56

Maximum-J properties for finite- β collisionless microinstabilities in general geometry**Speaker**

alessandro zocco

17:56-18:00

Effects of the nonlinear inverse bremsstrahlung absorption on the dispersion and damping of electron plasma waves

18:00

Speaker

Dr Boumediene TOUIL