EFTC 2017

17th European Fusion Theory Conference

9 - 12 October 2017, Athens - Greece

Poster presentations

Session 2 (11/10/17, 15.00 – 17.00)

P2.1
Pavlos Xanthopoulos (Max Planck Institut für Plasmaphysik, Germany)
Gyrokinetic simulation of micro-turbulence in stellarators

P2.2
Daniele Brunetti (Istituto Fisica del Plasma, Italy)
Analytic characterisation of infernal type instabilities in tokamak as with large edge pressure gradients

P2.3
Allah Rakha (Barcelona Supercomputing Center, Spain)
Modelling of Alfvén modes properties in TJ-II plasmas

P2.4
Stefan Buller (Chalmers University of Technology, Sweden)
Ion composition effects on neoclassical transport in density pedestals

P2.5
Loukas Vlahos (Aristotle University of Thessaloniki, Greece)
On the limits of the quasilinear evolution of ions interacting with Alfven waves in a magnetised plasma

P2.6
Ksenia Aleynikova (Max Planck Institut für Plasmaphysik, Germany)
Quantitative study of kinetic ballooning mode theory in magnetically confined toroidal plasmas

P2.7
Fotis Bairaktaris (National Technical University of Athens, Greece)
Advanced homogenization approach for a plasma dielectric mixture: Case of a turbulent tokamak

P2.8
Hugo de Blank (Dutch Institute for Fundamental Energy Research, Netherlands)
Electromagnetically consistent model of complete reconnection

P2.9
Iulian - Gabriel Miron (Institute for Laser, Plasma and Radiation Physics, Romania)
Modelling the effect of resonant magnetic perturbations on neoclassical tearing modes

P2.10
Alessandro Biancalani (Max Planck Institut für Plasmaphysik, Germany)
Nonlinear gyrokinetic investigation of energetic particle-driven geodesic acoustic modes

P2.11
Eduard Reiter (University of Innsbruck, Austria)
Full-F gyrofluid modelling of blob-impurity interaction in the tokamak SOL

P2.12
Laurent Villard (École Polytechnique Fédérale de Lausanne, Switzerland)
Global features of gyrokinetic simulations with sources

P2.13
Fabien Widmer (Institut de Recherche sur la Fusion Magnétique, France)
Neoclassical island control with stiff temperature model

P2.14
Nathan Howard (Massachusetts Institute of Technology, United States)
Multi-scale gyrokinetic simulation of L and H-mode plasma conditions in the Alcator C-Mod tokamak

P2.15
Michael Hardman (University of Oxford, United Kingdom)
Modelling coupled ion and electron scale turbulence in magnetic confinement fusion plasmas

P2.16
Spyridon - Iason Valvis (National Technical University of Athens, Greece)
Scattering of radio frequency waves by cylindrical blobs in the plasma edge in tokamaks

P2.17
Konsta Särkimäki (Aalto University, Finland)
Mechanics of ELM control coil induced alpha particle transport

P2.18
Stefan Mijin (Imperial College London, United Kingdom)
A fully implicit kinetic code for parallel electron transport in the SOL

P2.19
Peter Donnel (Institut de Recherche sur la Fusion Magnétique, France)
A multi-species collision operator for gyrokinetic codes

P2.20
Klaus Hallatschek (Max Planck Institut für Plasmaphysik, Germany)
Study of collisional effects on GAMs and zonal flows

P2.21
Paulo Rodrigues (Instituto Superior Technico Lisboa, Portugal)
Local, up-down asymmetrically shaped, analytical tokamak-equilibrium model

P2.22
Chris Dritselis (University of Thessaly, Greece)
Numerical modeling of dust transport in a tokamak plasma