



17th European Fusion Theory Conference

9 - 12 October 2017, Athens - Greece

Poster presentations

Session 1 (10/10/17, 15.00 – 17.00)

[P1.1] **A P**

Ian Abel (Chalmers University of Technology, Sweden)

Kinetic modelling of the edge of fusion plasmas

[P1.2] **A**

Elnaz Safi (University of Helsinki, Finland)

Plasma impurity co-bombardment effects on sputtering of Beryllium and Tungsten

[P1.3] **A P**

Daniela Grasso (Polytecnico di Torino, Italy)

ECCD magnetic island suppression as converse of a forced reconnection problem

[P1.4] **A P**

Ajay Jayalekshmi – Chandrarajan (École Polytechnique Fédérale de Lausanne, Switzerland)

How non-adiabatic passing electron dynamics and density of mode rational surfaces affect turbulent transport in magnetic fusion plasmas

[P1.5] **A P**


Dick Hogeweyj (Dutch Institute for Fundamental Energy Research, Netherlands)

Separating the effects of heating and current drive on NTM evolution in TCV

[P1.6] **A P**

Dimitris Kaltsas (University of Ioannina, Greece)

Hamiltonian construction of translationally symmetric extended MHD with equilibrium applications

[P1.7] 


Jason Parisi (University of Oxford, United Kingdom)

Extending critical balance to ITG with flow shear in fusion plasmas

[P1.8]  


Tünde Fülöp (Chalmers University of Technology, Sweden)

Runaway dynamics in disruptions: sliding and screening

[P1.9] 


Samuel Lanthaler (École Polytechnique Fédérale de Lausanne, Switzerland)

Linear kinetic – magnetohydrodynamic stability of internal modes in toroidally rotating plasmas

[P1.10] 


Ivan Calvo (CIEMAT Madrid, Spain)

Tangential magnetic drift, tangential electric field and their impact on stellarator radial neoclassical transport

[P1.11] 


Pierre Manas (Max Planck Institut für Plasmaphysik, Germany)

Energy confinement in He and D plasmas: on the role of central electron heating

[P1.12] 


Aristeides Papadopoulos (National Technical University of Athens, Greece)

Propagation of radio frequency waves through spatially modulated interfaces in the plasma edge in tokamaks

[P1.13] 

Alessandro Cardinali (ENEA Centro Ricerche Frascati, Italy)

Semi-analytical inspection of the quasi-linear absorption of RF in presence of alpha-particles in tokamak reactor

[P1.14] 


Andreas Kleiner (École Polytechnique Fédérale de Lausanne, Switzerland)

Ideal saturated 3D external kink structures in quiescent H mode plasmas

[P1.15]  


Achilleas Evangelias (University of Ioannina, Greece)

Analytic anisotropic-pressure equilibria with incompressible flow in helically symmetric geometry

[P1.16] 


Emmanuel Lanti (École Polytechnique Fédérale de Lausanne, Switzerland)

An improved hybrid electron model for global gyrokinetic simulations using the ORB5 PIC code

[P1.17] 


Yanick Sarazin (Institut de Recherche sur la Fusion Magnétique, France)

Multi-scale issues in fusion plasmas: synergy between turbulence and neoclassical transports

[P1.18] 

Michail Anastopoulos – Tzanis (University of York, United Kingdom)

3D perturbative ideal MHD stability in tokamak plasmas

[P1.19] 

Herve Guillard (Institut National de Recherche en Informatique et en Automatique, France)

Grid generation for fusion applications

[P1.20]  

Virgil Baran (Institute for Laser, Plasma and Radiation Physics, Romania)

Evolving the ITG driven turbulence with test modes

[P1.21]  

Spyridon Aleiferis (Foundation of Research and Technology Hellas, Greece)

On the gradB and ExB drifts of alphas in burning plasmas

[P1.22] 

Dario Borgogno (Polytecnico di Torino, Italy)

Test-electron analysis of magnetic reconnection topology