POSTER SESSION P1: Wednesday 27th, 14:00-16:00, Salle des Voutes

Board #	Paper #	First Author	Title
1	**I1**	S. Brezinsek	Quasi-steady-state plasma operation in the Be/W material mix: from the JET tokamak to the ITER reactor
2	**I2**	K. Ibano	Simulation study on the vapor shielding at solid walls under transients heat loads using weighted particle model
3	**O1**	S.Carli	Effects of strike points displacement on the ITER tungsten divertor reflector plate heat loads
4	**O2**	L. Casali	Modelling the effect of divertor closure on detachment onset in DIII-D with the SOLPS code
5	**O3**	K. Galazka	Multiple impurity seeding for power exhaust management in JT-60SA tokamak with carbon divertor
6	**O4**	E. Marenkov	On the radiation transport in inhomogeneous plasmas
7	**O5**	S. Togo	SOL-divertor plasma simulation based on a generalized fluid model incorporating ion temperature anisotropy and mirror effect
8	**P1-01**	H. Xie	Simulation of impurity behavior in EAST tokamak with the integrated COREDIV code
9	**P1-02**	S. Islam	Numerical simulation study towards plasma detachment in the end cell of GAMMA 10/PDX by a coupled fluid-neutral code
10	**P1-03**	R. Zagorski	Modelling of JET DT experiments in ILW configurations
11	**P1-04**	R. Chmielewski	TECXY simulations of multi-species impurity seeding in DEMO reactor
12	**P1-05**	E.T. Meier	Drifts effects and up-down asymmetry in balanced double-null DIII-D divertor configurations
13	**P1-06**	C. Norscini	First modelling of edge plasma density regimes in the COMPASS tokamak
14	**P1-07**	F. Subba	Analysis of highly radiative scenarios for the EU-DEMO divertor target protection
15	**P1-08**	S. Baschetti	Plasma turbulence reduction with a two field k-epsilon model for L-mode transport simulations with SOLEDGE2D-EIRENE
16	**P1-09**	H. Bufferand	Study of the impact of magnetic geometry on power exhaust with the transport code SOLEDGE2D-EIRENE
17	**P1-10**	A. Khan	WallDYN simulations of beryllium migration in ITER
18	**P1-11**	Y. Hayashi	Modeling of the linear plasma device NAGDIS-II with neutral gas puffing and pumping by using EMC3-EIRENE
19	**P1-12**	R. Mao	Plasma simulations of complex HL-2M divertor geometries using SOLEDGE2D-EIRENE edge plasma transport code
20	**P1-13**	K. Jesko	Soledge2d-EIRENE simulations of linear plasma devices Pilot-PSI and Magnum-PSI - a comparison with experimental data
21	**P1-14**	F. Subba	Advanced divertor configurations for DEMO
22	**P1-15**	M. Wigram	UEDGE Modeling of detached divertor operation for long-leg divertor geometries in ARC
23	**P1-16**	V. Rozhansky	Electric field and currents in the detached regime of a tokamak
24	**P1-17**	M. Shoji	Investigation of dust shielding effects by intrinsic ergodic magnetic field line structures in the peripheral plasma of the large helical device
25	**P1-18**	E. Sytova	Impact of a new general form of friction and thermal forces on SOLP-ITER modeling results
26	**P1-19**	K. Okamoto	Modeling of plasma and its wall interaction for long term tokamak operation
27	**P1-20**	S. Kajita.	Ignition and erosion of materials by arcing in fusion relevant conditions
28	**P1-21**	A. Fil	Study of how detachment characteristics are affected by the use of alternative divertors with SOLPS-ITER and SD1D
29	**P1-22**	J. Rosato	Spectroscopic models for tokamak edge and divertor plasma diagnostics
30	**P1-23**	R. Sheeba	Modeling of hydrogen line and continuum emission spectra of detached divertor plasmas
31	**P1-24**	M. Koubiti	A prospective spectroscopic study of hydrogen and impurity pellets in magnetic fusion devices
32	**P1-25**	J. Guterl	Modeling and analysis of tungsten sourcing in the outer divertor during the DIII-D metal tile campaign
33	**P1-26**	A. Holm	Assessing the ion-electron thermal equilibration in the SOL of tokamaks using UEDGE
34	**P1-27**	S. Pandya	Feasability study of possible runaway diagnostic methods in the edge plasma region region of ITER
35	**P1-28**	P.-S. Verma	Sensitivity of coupled plasma fluid/neutral kinetic edge simulations to the plasma wall interface description: effects of cyclotron orbits, sheath physics and surface roughness
36	**P1-29**	M. Meireni	Line shapes as a probe of turbulent plasmas
37	**P1-30**	R. Stamm	Possible spectroscopic signature of wave collapse in an edge plasma

POSTER SESSION P2: Friday 29th, 11:00-12:45, Salle des Voutes

Board #	Paper #	First Author	Title
1	**I3**	M. Hoelzl	What non-linear simulations can teach us about ELM physics
2	**I4**	P. Tamain	Impact of magnetic geometry and X-point configuration on edge plasma turbulence and transport in 3D first principle simulations
3	**I5**	M. Dorf	Continuum kinetic modeling of axisymmetric plasma transport at the edge of a divertor tokamak
4	**I6**	W. Dekeyser	Divertor design through adjoint approaches and efficient code simulation strategies
5	**O6**	M. Hamed	Curvature effect on the micro-tearing mode stability
6	**O7**	M. Hosokawa	Kinetic modelling of divertor fluxes between and during ELMs in a COMPASS-like tokamak plasma
7	**O8**	A. Ross	Non-Boussinesq turbulence studies in the SOL
8	**O9**	N. Fedorczak	Width of turbulent SOL in tokamaks: from circular geometry to diverted ones
9	**O10**	K. Hoshino	Multi-impurity divertor simulations using a Monte-Carlo kinetic impurity transport model
10	**O11**	G. Ciraolo	Kinetic and fluid modelling of non-local parallel heat transport in magnetic fusion devices
11	**O12**	X. Bonnin	Current SOLPS-ITER physics developments and activity
12	**O13**	D. Coster	Characterization of oscillations observed in reduced physics SOLPS simulations
13	**O14**	G. Giorgiani	A new high-order fluid solver for tokamak edge plasma transport simulations based on a magnetic-field independent discretization
14	**P2-01**	M. Kobayashi	Temporal evolution of edge Te and ne profiles during detachment transition with and without RMP application in edge stochastic layer of LHD
15	**P2-02**	J. Artola	Non-linear MHD simulations of ELM trigerring via vertical kicks with JOREK-STARWALL
16	**P2-03**	M. Yagi	Nonlocal response of density and temperature fluctuations due to edge perturbation in tokamak plasmas
17	**P2-04**	D. Galassi	Spontaneous transport barrier buid-up in 3D global turbulence simulations of a diverted plasmas
18	**P2-05**	A. Fukuyama	Modelling of LH transition using the fluid-type transport code TASK/TX
19	**P2-06**	P. Paruta	Implementation of X-point configurations into the GBS code
20	**P2-07**	C. Baudoin	Drift driven vs turbulent heat transport in 3D edge plasma simulations
21	**P2-08**	W. Gracias	Analysis of key factors affecting filament dynamics in tokamak scrape-off layers using the TOKAM3X model
22	**P2-09**	N. Nace	Effect of safety factor and magnetic shear on edge turbulent transport and poloidal asymmetries
23	**P2-10**	D. M. Fan	Effect of particle fueling and recycling on the properties of SOL and Edge turbulent fluctuations in global TOKAM3X-EIRENE simulations
24	**P2-11**	A. Tanaka	A Coulom collision model for weighted particle simulations with energy and momentum conservation
25	**P2-12**	P. Migliano	An improved approximation for the analytical treatment of plasma kinetic linear instabilities in toroidal geometry
26	**P2-13**	Y. Homma	An extended kinetic model for the thermal force on impurity particles in relatively lower collisional plasmas
27	**P2-14**	W. Lee	Verification of 5D continuum gyrokinetic code COGENT: studies of kinetic drift wave instability
28	**P2-15**	Ph. Ghendrih	Electron burst driven by near electric field effects of lower hybrid launchers
29	**P2-16**	L. Chôné	Improved boundary condition for full-f PIC gyrokinetic simulations of circular limited tokamak plasmas in ELMFIRE
30	**P2-17**	Y. L. Li	Hot spot induced by LHCD in the shadow of antenna limiters in the EAST tokamak
31	**P2-18**	R. Tatsumi	Development of a Lagrange-Monte Carlo scheme for fluid modeling of SOL/Divertor plasmas
32	**P2-19**	M. Baeten	Identification of stochastic noise propagation in plasma edge simulations
33	**P2-20**	K. Ghoos	Accuracy and convergence of iteratively solved Monte Carlo codes for simulations in the plasma edge of nuclear fusion reactors
34	**P2-21**	N. Horsten	Hybrid neutral models for a detached ITER case
35	**P2-22**	B. Mortier	Enforcing conservation at Monte Carlo level in a coupled Finite Volume-Monte Carlo simulation
36	**P2-23**	S. Van den Kerkhof	Towards numerical optimization of novel magnetic magnetic topologies
37	**P2-24**	M. Blommaert	Implementation of a consistent fluid neutral model in SOLPS-ITER and benchmark with EIRENE for detached divertor conditions
38	**P2-25**	M. Valentinuzzi	Comparison between fluid, kinetic and hybrid descriptions for neutrals in the SOLEGDE2D edge plasma code
39	**P2-26**	T. Maeda	Analysis of the Plasma Blob Formation and Transport, and Its effect on Impurity Transport in the SOL Regions