

Plasma Physics and Controlled Fusion

Volume 57 Number 9 September 2015

NOTE

- 092001 Contribution of geodesic acoustic modes in the limit cycle oscillation near H-mode transition in JFT-2M plasmas**
K Itoh, T Kobayashi, T Ido, S-I Itoh and K Kamiya

SPECIAL ISSUE PAPER

- 094001 The hydrodynamic and radiative properties of low-density foams heated by x-rays**
O N Rosmej, N Suslov, D Martsovenko, G Vergunova, N Borisenko, N Orlov, T Rienecker, D Klir, K Rezack, A Orekhov, L Borisenko, E Krousky, M Pfeifer, R Dudzak, R Maeder, M Schaechinger, A Schoenlein, S Zaehner, J Jacoby, J Limpouch, J Ullschmied and N Zhidkov

REGULAR PAPERS

- 095001 Charge dependence of neoclassical and turbulent transport of light impurities on MAST**
S S Henderson, L Garzotti, F J Casson, D Dickinson, M O'Mullane, A Patel, C M Roach, H P Summers, H Tanabe, M Valovič and the MAST team
- 095002 Influence of the $E \times B$ drift in high recycling divertors on target asymmetries**
A V Chankin, G Corrigan, M Groth, P C Stangeby and JET contributors
- 095003 Self-pinch ion beam transport in plasmas with finite radius and nonuniform transverse density**
Zhang-Hu Hu and You-Nian Wang
- 095004 Spontaneous versus induced hydrogen and deuterium helical shaped plasmas with electron internal transport barriers**
M Gobbin, P Franz, F Auriemma, R Lorenzini and L Marrelli
- 095005 Modeling the effect of anisotropic pressure on tokamak plasmas normal modes and continuum using fluid approaches**
Z S Qu, M J Hole and M Fitzgerald
- 095006 Kinetic modelling of runaway electron avalanches in tokamak plasmas**
E Nilsson, J Decker, Y Peysson, R S Granetz, F Saint-Laurent and M Vlainic
- 095007 Integrated tokamak modelling with the fast-ion Fokker-Planck solver adapted for transient analyses**
M Toma, K Hamamatsu, N Hayashi, M Honda and S Ide
- 095008 Toroidal modelling of resonant magnetic perturbations response in ASDEX-Upgrade: coupling between field pitch aligned response and kink amplification**
D A Ryan, Y Q Liu, A Kirk, W Suttrop, B Dudson, M Dunne, R Fischer, J C Fuchs, M Garcia-Munoz, B Kurzan, P Piovesan, M Reinke, M Willensdorfer, the ASDEX-Upgrade team and the EUROfusion MST1 team
- 095009 Contributions of nonlinear fluxes to the temporal response of fluid plasma**
Byunghoon Min, Chan-Yong An and Chang-Bae Kim
- 095010 Hybrid (Vlasov-fluid) simulation of ion-acoustic solitonic chain formation in plasmas with super-thermal electrons**
E Behjat, H Abbasi and F Aminmansoor
- 095011 Experiment-theory comparison for low frequency BAE modes in the strongly shaped H-1NF stellarator**
S R Haskey, B D Blackwell, C Nührenberg, A Könies, J Bertram, C Michael, M J Hole and J Howard
- 095012 General formulation for electrostatic solitons in multicomponent nonthermal plasmas**
B-J Wang and L-N Hau