

LISTE DES COMMUNICATIONS SCIENTIFIQUES :

- [1] P. Migliano, P. Mantica, B. Baiocchi, A. Casati, J. Citrin, C. Giroud, N. Hawkes, E. Lerche, M. Tsalias, D.V. Eester and JET EFDA Contributors, *The dependence of ion heat transport on the ion to electron temperature ratio in JET non-rotating plasmas*, Plasma Phys. Control. Fusion **55**, 055003 (2013)
- [2] P. Migliano, *A study on the ion temperature gradient driven turbulence in tokamak plasmas (PhD Thesis)*, <https://epub.uni-bayreuth.de/2167/1/thesis.pdf>
- [3] P. Migliano, Y. Camenen, F.J. Casson, W. Hornsby and A.G. Peeters, *Ion temperature gradient instability at sub-Larmor radius scales with non-zero ballooning angle*, Phys. Plasmas **20**, 022101 (2013)
- [4] P. Migliano, R. Buchholz, S.R. Grosshauser, W. Hornsby and A.G. Peeters, *The radial propagation of turbulence in gyro-kinetic toroidal systems*, Plasma Phys. Control. Fusion **57**, 054008 (2015)
- [5] P. Migliano, R. Buchholz, S.R. Grosshauser, W. Hornsby, A.G. Peeters and O. Stauffert, *Turbulence spreading in gyro-kinetic theory*, Nucl. Fusion **56**, 014002 (2016)
- [6] P. Migliano, D. Zarzoso, F.J. Artola, Y. Camenen and X. Garbet, *An improved approximation for the analytical treatment of the local linear gyro-kinetic plasma dispersion relation in toroidal geometry*, Plasma Phys. Control. Fusion **59**, 095004 (2017)
- [7] P. Mantica, C. Angioni, B. Baiocchi, M. Baruzzo, M.N.A. Beurskens, J.P.S. Bizarro, R.V. Budny, P. Buratti, A. Casati, C. Challis, J. Citrin, G. Colyer, F. Crisanti, A.C.A Figueiredo, L. Frassinetti, C. Giroud, N. Hawkes, J. Hobirk, E. Joffrin, T. Johnson, E. Lerche, P. Migliano, V. Naulin, A.G. Peeters, G. Rewoldt, F. Ryter, A. Salmi, R. Sartori, C. Sozzi, G.M. Staebler, D. Strintzi, T. Tala, M. Tsalias, D. Van Eester, T. Versloot, P.C. De Vries, J. Weiland and JET EFDA Contributors, *Ion heat transport studies in JET*, Plasma Phys. Control. Fusion **53**, 124033 (2011)
- [8] T. Sung, R. Buchholz, F.J. Casson, E. Fable, S.R. Grosshauser, W. Hornsby, P. Migliano and A.G. Peeters, *Toroidal momentum transport in a tokamak caused by symmetry breaking parallel derivatives*, Phys. Plasmas **20**, 042506 (2013)
- [9] R. Buchholz, Y. Camenen, F.J. Casson, S.R. Grosshauser, W. Hornsby, P. Migliano and A.G. Peeters, *Toroidal momentum transport in a tokamak due to profile shearing*, Phys. Plasmas **21**, 062304 (2014)
- [10] N. Bonanomi, P. Mantica, G. Szepesi, N. Hawkes, E. Lerche, P. Migliano, A.G. Peeters, C. Sozzi, M. Tsalias and D. Van Eester, *Trapped electron mode driven electron heat transport in JET: Experimental investigation and gyro-kinetic theory validation*, Nucl. Fusion **55**, 113016 (2015)
- [11] R. Buchholz, S.R. Grosshauser, W. Guttenfelder, W. Hornsby, P. Migliano, A.G. Peeters and D. Strintzi, *Influence of centrifugal effects on particle and momentum transport in National Spherical Torus Experiment*, Phys. Plasmas **22**, 082307 (2015)
- [12] W. Hornsby, P. Migliano, R. Buchholz, L. Kroenert, A.G. Peeters, D. Zarzoso, E. Poli and F.J. Casson, *The linear tearing instability in three dimensional, toroidal gyro-kinetic simulations*, Phys. Plasmas **22**, 022118 (2015)

- [13] W. Hornsby, P. Migliano, R. Buchholz, D. Zarzoso, F.J. Casson, E. Poli and A.G. Peeters, *On seed island generation and the non-linear self-consistent interaction of the tearing mode with electromagnetic gyro-kinetic turbulence*, Plasma Phys. Control. Fusion **57**, 054018 (2015)
- [14] W. Hornsby, P. Migliano, R. Buchholz, S.R. Grosshauser, A. Weikl, D. Zarzoso, F.J. Casson, E. Poli and A.G. Peeters, *The non-linear evolution of the tearing mode in electromagnetic turbulence using gyrokinetic simulations*, Plasma Phys. Control. Fusion **58**, 014028 (2016)
- [15] F. Rath, A.G. Peeters, R. Buchholz, S.R. Grosshauser, P. Migliano, A. Weikl and D. Strintzi, *Comparison of gradient and flux driven gyro-kinetic turbulent transport*, Phys. Plasmas **23**, 052309 (2016)
- [16] D. Zarzoso, P. Migliano, V. Grandgirard, G. Latu and C. Passeron, *Nonlinear interaction between energetic particles and turbulence in gyro-kinetic simulations and impact on turbulence properties*, Nuclear Fusion **57**, 072011 (2017)
- [17] S. Nasr, A.I. Smolyakov, P. Migliano, D. Zarzoso, X. Garbet, S. Benkadda, *Interchange destabilization of collisionless tearing modes by temperature gradient*, Phys. of Plasmas **25**, 074503 (2018)

CONFÉRENCES :

Institut für Plasmaphysik (IPP) meeting - Ringberg (Allemagne) 2012 (talk : “*Ion temperature gradient instability at sub-Larmor radius scales with non-zero ballooning angle*”)

IAEA meeting - Vienne (Autriche) 2013 (talk : “*Ion temperature gradient instability at sub-Larmor radius scales with non-zero ballooning angle*”)

Joint Varenna-Lausanne International Workshop - Varenna (Italie) 2014 (poster : “*Turbulence spreading in gyro-kinetic theory*”)

Institut für Plasmaphysik (IPP) meeting - Ringberg (Allemagne) 2014 (talk : “*Turbulence spreading in gyro-kinetic theory*”)

ITER International School - Hefei (Chine) 2015

Joint Varenna-Lausanne International Workshop - Varenna (Italie) 2016 (poster : “*Analytical analysis of the linear ITG-mode instability in gyro-kinetic theory*”)

ITER International School - Aix-en-Provence (France) 2016

IAEA meeting - Vienne (Autriche) 2017 (talk : “*An improved approximation for the analytical treatment of the local linear gyro-kinetic plasma dispersion relation in toroidal geometry*”)

Festival de Théorie - Aix-en-Provence (France) 2017 (talk : “*An improved approximation for the analytical treatment of the local linear gyro-kinetic plasma dispersion relation in toroidal geometry*”)

PET Workshop – Marseille (France) 2017 (poster : “*An improved approximation for the analytical treatment of the local linear gyro-kinetic plasma dispersion relation in toroidal geometry*”)