

Varenna-Lausanne Workshop - Poster Session 1

	Name	co-authors	Title
P - 01	Abazorius Mantas	M. Abazorius, F.I. Parra, F. Militello	Kinetic analysis of the collisional layer
P - 02	Antlitz Felix	F. N. Antlitz, X. Wang, M. Hölzl, G. T. A. Huijsmans, P. Lauber and A. Mishchenko	Comparisons of hybrid kinetic-MHD and gyrokinetic simulations of the fishbone instability using JOREK and ORB5
P - 03	Atour Farah	F. Atour, X. Wang, S. Briguglio	Nonlinear Saturation Mechanism of Toroidal Alfvén Eigenmodes driven by Trapped Particles
P - 04	Babin Robert	R. Babin, F. Hindenlang, O. Maj and R. Köberl	Construction of an invertible mapping to boundary conforming coordinates for arbitrarily shaped toroidal domains
P - 05	Ball Justin	J. Ball, A. Balestri, S. Coda, and S. Brunner	Core turbulent transport in negative triangularity tokamak power plants
P - 06	Bigué Roméo	R. Bigué, P. Donnel, Y. Sarazin, X. Garbet, V. Grandgirard, K. Obrejan, G. Dif-Pradalier, Z. Qu, L. De Gianni, Y. Munchy, M. Muraglia	Investigation of the tearing instability with the gyrokinetic code GYSELA
P - 07	Bilato Roberto	R. Bilato, O. Maj, M. Brambilla, E. Poli	Multiscale approach to the derivation of the quasilinear Fokker-Planck equation for radiofrequency heating in fusion plasmas
P - 08	Bottino Alberto	A. Bottino, A. Stier, M. Boesl, T. Hayward-Schneider, A. Bergmann, D. Coster, S. Brunner and L. Villard	Particle-in-cell methods in edge plasma physics: the PICLS code
P - 09	Brzozowski Robert	R. Brzozowski III, T. Stoltzfus-Dueck	Edge intrinsic rotation with finite-step charge-exchange neutrals and self-consistent ion distribution
P - 10	Cho Y.W.	Y.W. Cho, X. Garbet, R. Varennes, Z. Qu, P. Donnel, K. Obrejan, G. Dif-Pradalier, Y. Sarazin, V. Grandgirard	Effects of Modulated Heat Source on Non-local Transport
P - 11	Chulu Chinn Noah	N. Chulu Chinn, B. McMillan, F. Palermo, C. Roach, M. Fitzgerald, K. McClements, S. Gibson, M. Dreval, A. Mishchenko, T. Hayward-Schneider	Gyrokinetic Investigation of TAE Damping Channels with Comparison to Theory and Application to MAST-U
P - 12	Coste-Sarguet Margot	M. Coste-Sarguet, J.P. Graves	Physics of core MHD instability spectra in advanced tokamak regimes
P - 13	De Gianni Ludovica	L. De Gianni, X. Garbet, P. Donnel, Y. Sarazin, Z. Qu, Y. Melka, V. Grandgirard, K. Obrejan, E. Bourne, G. Dif-Pradalier, Y. Munsch, R. Bigué	Effect of the magnetic geometry on Trapped Electron Modes instability: an analytical model

Varenn-Lausanne Workshop - Poster Session 2

	Name	co-authors	Title
P - 14	De Lucca Brenno	B. De Lucca, P. Ricci, L. Stenger	Impact of electromagnetic fluctuations on turbulent transport in the two-fluid drift-reduced Braginskii model
P - 15	Di Giannatale Giovanni	G. Di Giannatale, S. Brunner, M. Murugappan, L. Villard	Turbulent transport reduction in negative triangularity tokamaks: non-local, finite size and collisional effects
P - 16	Ghendrih Philippe	H. Bufferand, G. Ciraolo, G. Dif-Pradalier, X. Garbet, Ph. Ghendrih, V. Grandgirard, I. Kudashev, Y. Kunimoto, O. Panico, Y. Sarazin, E. Serre	K-epsilon modelling of turbulent transport in the edge-SOL boundary layer
P - 17	Giacomin Maurizio	M. Giacomin, D. Abate, S. Molisani, M. Spolaore, N. Vianello and M. Zuin	Boundary turbulence simulations of an induced H-mode RFX-mod discharge in the presence of edge biasing
P - 18	Graves Jonathan	J.P. Graves	Non-linear saturation of non-resonant ideal long wavelength instabilities with application to sustained hybrid operational regimes and NTM seeding
P - 19	Guet Claude	C. Guet	Theoretical and Computational Plasma Physics for Fusion Energy in Singapore
P - 20	Guinchard Salomon	S. Guinchard, W. Sengupta, S.R. Hudson	Reducing the intercoil forces by penalizing the vacuum energy
P - 21	Helander Per	P. Helander, A.G. Goodman, C.D. Beidler, M. Kuczynski and H.M. Smith	Designing stellarators with a transport barrier
P - 22	Hindenlang Florian	F. Hindenlang, G. Plunk, O. Maj	A generalized Frenet frame for computing MHD equilibria
P - 23	Højlund Rune	R. Højlund, M. Givskov Senstius and S. Kragh Nielsen	Modeling Upper Hybrid Waves for RF Heating and Current Drive Applications using Metaplectic Geometrical Optics
P - 24	Hudson Stuart	S.R. Hudson, S. Guinchard, W. Sengupta	Application of Lagrangian integration to the magnetic axis
P - 25	Jeanquartier Fabien	F. Jeanquartier, J.P. Graves, S. Brunner	Study of kinetic effects on MHD instabilities in cylindrical geometry using a spectral hybrid kinetic MHD code
P - 26	Koerfer Joaquim	J. Koerfer, E. Lascas Neto, J.P. Graves, A. Geraldini	Advanced modelling of heavy impurity tokamak transport in rotating 3D magnetic fields with numerically resolved neoclassical equilibrium
P - 27	Lainer Patrick	P. Lainer, M. Markl, M.F. Heyn, S.V. Kasilov, C.G. Albert, the ASDEX Upgrade Team and the EUROfusion Tokamak Exploitation Team	Hybrid kinetic-MHD model of RMP interaction with tokamak plasmas

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	Name	co-authors	Title
P - 28	Cardinali Alessandro	A. Cardinali, C. Castaldo, V. Francalanza, S. Ceccuzzi, G.S. Mauro ¹ , B. Mishra, A. Pidotella, C. Salvia, G. Torrasi, and D. Mascali	ICRH modelling of DTT reduced-field plasma scenario by full wave codes
P - 29	Salvia Claudia	C. Salvia, A. Cardinali, S. Ceccuzzi, V. Francalanza, B. Mishra, G.S. Mauro, A. Pidotella, G. Torrasi, and D. Mascali	ICRH modelling of DTT plasma scenario by 1D semi analytical model
P - 30	Lamalle Philippe	P. U. Lamalle, B. Reman, D. Van Eester, F. Louche, Chr. Slaby and P. Helander	Integral dielectric kernel approach to modelling radiofrequency heating in toroidal plasmas
P - 31	Lebouazda Yohann	Y. Lebouazda, A. Cordonnier, X. Leoncini, G. Dif-Pradalier	Chaotic features of charged particle dynamics in asymptotic tokamak-like equilibrium profiles
P - 32	Lu Zhixin	Z. Lu, G. Meng, R. Hatzky, E. Sonnendrücker, A. Mishchenko, P. Lauber, F. Zonca and M. Hoelzl	Gyrokinetic Electromagnetic Particle Simulations in Triangular Meshes with C1 Finite Element
P - 33	Mackebach Ralf	R.J.J. Mackebach, C.B. Smiet	Optimising for bounce-averaged quantities on a flux-surface
P - 34	Mencke Jacob	J.E. Mencke, P. Ricci	Full-f gyrokinetic model for simulating turbulence in a linear plasma device based on the gyro-moment approach
P - 35	Numami Masanori	M. Nunami, K. Fujii, T. Nakayama and M. Nakata	Solution space and effective model for plasma turbulent transport
P - 36	Raeth Mario	M. Raeth, K. Hallatschek	Energy flux balance in the 6D kinetic description of plasmas with adiabatic electrons
P - 37	Ramasamy Rohan	R. Ramasamy, K. Aleynikova, N. Nikulsin, C. Nührenberg, J. Geiger, M. Hoelzl and the JOEKE team	Progress in modeling low n pressure driven modes in W7-AS and W7-X
P - 38	Roberg-Clark Gareth	G.T. Roberg-Clark, G.G. Plunk, and P. Xanthopoulos	A coarse-grained model for critical ion temperature gradients in general toroidal geometry
P - 39	Rofman Baruch	B. Rofman, G. Di Giannatale, A. Bottino, A. Mishchenko, T. Hayward-Schneider, S. Brunner, L. Villard	Interaction of turbulence, Alfvén modes and zonal structures in Tokamak plasmas
P - 40	Ruiz Ruiz Juan	J. Ruiz Ruiz, J. Garcia, M. Barnes, M. Dreval, C. Giroud, V.H. Hall-Chen, M. Hardman, J.C. Hillesheim, Y. Kazakov, S. Mazzi, F.I. Parra, B. Patel, A.A. Schekochihin, Z. Stancar	Measurement of three-wave coupling between Alfvén modes and a zero-frequency fluctuation in the JET tokamak

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	Name	co-authors	Title
P - 41	Schatzlmayr Jonatan	J. Schatzlmayr, G. Grassler, M.F. Heyn, S.V. Kasilov and C.G. Albert	Symplecticity of the GORILLA guiding-center tracer and its implications for edge transport modeling
P - 42	Schaumans Celine	C. Schaumans, J.P. Graves, H.R. Wilson	Analytic and numerical investigation of Kelvin-Helmholtz-like instabilities in tokamaks with sheared thermal and plasma rotation profiles
P - 43	Schekochihin Alexander	R. Ewart, M. Nastac and A. Schekochihin	In search of universality: towards a statistical mechanics of collisionless plasma
P - 44	Sheffield Facundo	F. Sheffield, T. Goerler, F. Wilms, G. Merlo and F. Jenko	Adding parallel magnetic fluctuations to the global GENE code
P - 45	Slaby Christoph	C. Slaby, J.P. Graves	ICRH schemes for generating deeply trapped fast ions in Wendelstein 7-X
P - 46	Sparago Raffaele	R. Sparago, F.J. Artola, M. Hoelzl, N. Isernia, G. Rubinacci, N. Schwarz, F. Villone and the JOEKE team	Towards a 3D Full MHD plasma - 3D electromagnetic wall model - On the eddy and halo current coupling of JOEKE with electromagnetic wall codes
P - 47	Stenger Louis	L.N. Stenger, J. Hinz, A. Buffa, P. Ricci	Boundary simulations in realistic wall geometry with the GBS code
P - 48	Stier Annika	A. Stier, A. Bottino, T. Hayward-Schneider, D. Coster, A. Bergmann, L. Villard, F. Jenko	Verification of the PICLS electromagnetic upgrade in mixed variables
P - 49	Sun Haomin	H. Sun, J. Ball, S. Brunner, A. Field, B. Patel, A. Balestri, D. Kennedy, C. Roach	Physics of the low momentum diffusivity regime in tokamaks and its experimental applicability
P - 50	Turica Leonard	L-P. Turica, A. R. Field, L. Frassinetti, A. Schekochihin, JET contributors	Reconstructions of electron-temperature profiles from EUROfusion Pedestal Database using turbulence-based models and machine learning
P - 51	Xia Guoliang	G. Xia ¹ , T.C. Hender, R. Otin and Y. Liu	Control of n=2 resistive wall mode in spherical tokamak
P - 52	Yang Lang	L. Yang, M. Isobe, A. Shimizu, H. Yamaguchi, K. Ogawa, H. Liu and Y. Xu	Study of neoclassical transport characteristics by MONTS code in the CFQS quasi-axisymmetric stellarator
P - 53	Zonca Fulvio	F. Zonca, L. Chen, M.V. Falessi, X. Tao and Z. Qiu	Universal behaviour of frequency chirping fluctuations in magnetized plasmas
P - 54	Benkadda Sadruddin	N. Saura, R. Guirlet, M. Koubiti, O. Peyrusse, C. Desgranges and S. Benkadda	Machine learning based tungsten spectroscopy in WEST Tokamak