

International Journals

[117] J. BUCALOSSI, ... P. HENNEQUIN..., (WEST TEAM). Operating a full tungsten actively cooled tokamak: overview of WEST first phase of operation. *Nuclear Fusion*, 2022, 62 (4), 042007. (10.1088/1741-4326/AC2525). (HAL-03741642)

[116] U. STROTH, ..., P. HENNEQUIN,... (ASDEX UPGRADE TEAM). Progress from ASDEX Upgrade experiments in preparing the physics basis of ITER operation and DEMO scenario development. *Nuclear Fusion*, 2022, 62 (4), 042006. (10.1088/1741-4326/AC207F). (HAL-03683395)

[115] L. VERMARE, P. HENNEQUIN, C. HONORÉ, M. PERET, GUILHEM DIF-PRADALIER, X. GARBET, J. GUNN, C. BOURDELLE, ET AL. Formation of the radial electric field profile in the WEST tokamak. *Nuclear Fusion*, 2022, 62 (2), P 026002. 10.1088/1741-4326/AC3C85 (HAL-03441556)

[114] P SCHNEIDER, P. HENNEQUIN, N BONANOMI, M DUNNE, G CONWAY, U PLANK. Overview of the isotope effects in the ASDEX Upgrade tokamak. *Plasma Physics and Controlled Fusion*, 2021, **63** (6), PP.064006. (10.1088/1361-6587/ABF540)

[113] T. HAPPEL, M.L. REINKE, D. SILVAGNI, M. BERNERT, O. GROVER, P. HENNEQUIN, A.E. HUBBARD, U. PLANK, E. TRIER, D. BRIDA, P. DAVID, R. FISCHER, L. GIL, K. HÖFLER, P. MANZ, R.M. MCDERMOTT, A. MERLE, U. STROTH, E. VIEZZER, M. WILLENSDORFER, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. Approaching detachment in I-mode-response of core confinement and the edge pedestal in the ASDEX Upgrade tokamak. *Nuclear Fusion*, 2021, **61** (3), PP.036026. (10.1088/1741-4326/ABD7B7)

[112] P.A. SCHNEIDER, N. BONANOMI, C. ANGIONI, M. WEILAND, M. CAVEDON, P. DAVID, R. FISCHER, P. HENNEQUIN, J. HOBIRK, A. KAPPATOU, B. KURZAN, R.M. MCDERMOTT, U. PLANK, T. PÜTTERICH, F. RYTER, M. WILLENSDORFER, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM, Fast-ion pressure dominating the mass dependence of the core heat transport in ASDEX Upgrade H-modes. *Nuclear Fusion*, 2021, 61 (3), PP.036033. (10.1088/1741-4326/ABD95E)

[111] K HÖFLER, T HAPPEL, PASCALE HENNEQUIN, U STROTH, M CAVEDON, R DUX, R FISCHER, R MCDERMOTT, E POLI, C SCHUSTER, E WOLFRUM, THE ASDEX UPGRADE TEAM. Poloidally resolved measurements of the perpendicular propagation velocity of density fluctuations in ASDEX Upgrade L-mode plasmas. *Plasma Physics and Controlled Fusion*, 2021, **63** (3), PP.035020. (10.1088/1361-6587/ABD896)

[110] M. CAVEDON, G. BIRKENMEIER, T. PÜTTERICH, F. RYTER, E. VIEZZER, E. WOLFRUM, R. DUX, T. HAPPEL, PASCALE HENNEQUIN, U. PLANK, U. STROTH, M. WILLENSDORFER. Connecting the global H-mode power threshold to the local radial electric field at ASDEX Upgrade. *Nuclear Fusion*, 60 (6), 066026. (2020) DOI : 10.1088/1741-4326/AB8777

[109] T. EICH, P. MANZ, R.J. GOLDSTON, PASCALE HENNEQUIN, P. DAVID, M. FAITSCH, B. KURZAN, B. SIEGLIN, E. WOLFRUM. Turbulence driven widening of the near-SOL power width in ASDEX Upgrade H-Mode discharges. *Nuclear Fusion*, 2020, 60 (5), 056016 (2020) DOI : 10.1088/1741-4326/AB7A66

[108] T. HAPPEL, W. KASPAREK, P. HENNEQUIN, K. HÖFLER, C. HONORÉ, THE ASDEX UPGRADE TEAM, Design of a variable frequency comb reflectometer system for the ASDEX Upgrade tokamak, *Plasma Science and Technology* **22** (6) 064002 (2020)

- [107] J. PINZON, T. ESTRADA, T. HAPPEL, PASCALE HENNEQUIN, E. BLANCO, U. STROTH, THE ASDEX UPGRADE TEAM, Measurement of the tilt angle of turbulent structures in magnetically confined plasmas using Doppler reflectometry. *Plasma Physics and Controlled Fusion* **61** (2019)
- [106] B LABIT, T EICH, G HARRER, E WOLFRUM, M BERNERT, M DUNNE, L FRASSINETTI, P HENNEQUIN, R MAURIZIO, A MERLE, H MEYER, S SAARELMA, THE EUROFUSION MST1 TEAM, Dependence on plasma shape and plasma fueling for small ELM regimes in TCV and ASDEX Upgrade, *Nuclear Fusion* **59** 086020 (2019)
- [105] H. MEYER, ..., P. HENNEQUIN, ... (THE ASDEX UPGRADE TEAM). Overview of Physics Studies on ASDEX Upgrade. *Nuclear Fusion* **59** 112014 (2019).
- [104] CODA S., ..., HENNEQUIN P., ... (THE TCV TEAM). Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. *Nuclear Fusion* **59** 112023 (2019).
- [103] J. PINZON, T. HAPPEL, PASCALE HENNEQUIN, C. ANGIONI, T. ESTRADA, A. LEBSCHY, U. STROTH, THE ASDEX UPGRADE TEAM, Experimental investigation of the tilt angle of turbulent structures in the core of fusion plasmas, *Nuclear Fusion* **59** 074002 (2019)
- [102] TRIER E., WOLFRUM. E, WILLENSDORFER M., YU Q., HOELZL M., ORAIN F., RYTER F., ANGIONI C., BERNERT M., DUNNE M., DENK S., FUCHS, J, FISCHER R., HENNEQUIN P., KURZAN B., MINK A., MLYNEK A., ODSTRČIL T., SCHNEIDER P., STROTH U., TARDINI G., VANOVAC B, THE ASDEX UPGRADE TEAM, ELM-induced cold pulse propagation in ASDEX Upgrade, *Plasma Physics and Controlled Fusion* **61** (4) 045003 (2019)
- [101] HAPPEL T., GRIENER M., SILVAGNI D., FREETHY S. J., HENNEQUIN P., JANKY F., MANZ P., PRISIAZHNIUK D., RYTER F., BERNERT M., BRIDA D., EICH T., FAITSCH M., GIL L., GUIMARAIS L., MERLE A., NILLE D., PINZÓN J. R., SIEGLIN B., STROTH U., VIEZZER E., Stationarity of I-mode operation and I-mode divertor heat fluxes on the ASDEX Upgrade tokamak, *Nuclear Materials and Energy* **18** 159 - 165 (2019) (2019)
- [100] DONNEL PETER, MOREL PIERRE, HONORE CYRILLE, GÜRCAN ÖZGÜR D., PISAREV V., METZGER C., HENNEQUIN PASCALE. Drift-wave observation in a toroidal magnetized plasma and comparison with a modified Hasegawa-Wakatani model. *Physics of Plasmas* **25** (6) 062127 (2018).
- [99] OCHOUKOV R., BOBKOV V., CHAPMAN B., DENDY R., DUNNE M., FAUGEL H., GARCÍA MUÑOZ M., GEIGER B., HENNEQUIN P., MCCLEMENTS K. G., MOSEEV D., NIELSEN S., RASMUSSEN J., SCHNEIDER P., WEILAND M., NOTERDAEME J.-M., Observations of core ion cyclotron emission on ASDEX Upgrade tokamak, *Review of Scientific Instruments* **89** (10) 10J101 (2018)
- [98] FREETHY S. J., GÖRLER T., CREELY A. J., CONWAY G. D., DENK S. S., HAPPEL T., KOENEN C., HENNEQUIN P., WHITE A. E., Validation of gyrokinetic simulations with measurements of electron temperature fluctuations and density-temperature phase angles on ASDEX Upgrade, *Physics of Plasmas* **25** (5) 055903 (2018)
- [97] VERMARE L., HENNEQUIN P., GÜRCAN Ö.D., GARBET X., HONORÉ C., CLAIRET F., GIACALONE J.-C., MOREL P., STORELLI A., TORE SUPRA TEAM, Poloidal asymmetries of flows in the Tore Supra tokamak, *Physics of Plasmas* **25** (2) 020704 (2018)
- [96] MEDVEDEVA A., BOTTEREAU C., CLAIRET F., HENNEQUIN P., STROTH U., BIRKENMEIER G., CAVEDON M., CONWAY G. D., HAPPEL T., HEURAUX S., MOLINA D., SILVA A., WILLENSDORFER M., TEAM A. U.,

Density profile and turbulence evolution during L-H transition studied with the ultra-fast swept reflectometer on ASDEX Upgrade, *Plasma Physics and Controlled Fusion* **59** (12) 125014 (2017)

[95] HAPPEL T., MANZ P., RYTER F., BERNERT M., DUNNE M., HENNEQUIN PASCALE, HETZENECKER A., STROTH U., CONWAY G. D., GUIMARAIS L., HONORÉ CYRILLE, VIEZZER E., THE ASDEX UPGRADE TEAM. The I-mode confinement regime at ASDEX Upgrade: global properties and characterization of strongly intermittent density fluctuations. *Plasma Physics and Controlled Fusion* **59** (1) 014004 (2017).

[94] TRIER ELISÉE, HENNEQUIN PASCALE, GÜRCAN ÖZGÜR D., SABOT R., BUCALOSSO J., GUIMARÃES-FILHO Z.O., BOURDELLE C., CLAIRET F., FALCHETTO G., FENZI C., GARBET X., MAGET P., VERMARE LAURE, THE TORE SUPRA TEAM. Localized reversal of the perpendicular velocity in Tore Supra ohmic, L-mode, limited plasmas. *Nuclear Fusion* **57** (4) 046021 (2017).

[93] SCHNEIDER P., BUSTOS A., HENNEQUIN PASCALE, RYTER F., BERNERT M., CAVEDON M., DUNNE M., FISCHER R., GÖRLER T., HAPPEL T., IGOCHINE V., KURZAN B., LEBSCHY A., MCDERMOTT R.M., MOREL PIERRE, WILLENSDORFER M., THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. Explaining the isotope effect on heat transport in L-mode with the collisional electron-ion energy exchange. *Nuclear Fusion* **57** (6) 066003 (2017).

[92] KALLENBACH A. FOR THE ASDEX UPGRADE TEAM (including PASCALE HENNEQUIN) AND THE EUROFUSION MST1 TEAM. Overview of ASDEX Upgrade results. *Nuclear Fusion* **57** 102015 (2017).

[91] CODA S., ..., HENNEQUIN PASCALE, ... , THE EUROFUSION MST1 TEAM . Overview of the TCV tokamak program: scientific progress and facility upgrades. *Nuclear Fusion* **57** (10) 102011 (2017).

[90] MEYER H., ..., HENNEQUIN PASCALE, ... , THE EUROFUSION MST1 TEAM . Overview of progress in European medium sized tokamaks towards an integrated plasma-edge/wall solution. *Nuclear Fusion* **57** 102014 (2017).

[89] HAPPEL T., GÖRLER T., HENNEQUIN PASCALE, LECHTE C., BERNERT MATTHIAS, CONWAY G. D., FREETHY SIMON, HONORÉ CYRILLE, PINZÓN J R, STROTH ULRICH, THE ASDEX UPGRADE TEAM . Comparison of detailed experimental wavenumber spectra with gyrokinetic simulation aided by two-dimensional full-wave simulations. *Plasma Physics and Controlled Fusion* **59** (5) 054009 (2017).

[88] HORNING G., DIF-PRADALIER G., CLAIRET F. SARAZIN Y., SABOT R., HENNEQUIN P., VERDOOLAEGE G. E × B Staircases and Barrier Permeability in Magnetised Plasmas, *Nuclear Fusion* **57** (1) 014006 (2017)

[87] MANZ P., HAPPEL T., RYTER F., BERNERT M., BIRKENMEIER G., CONWAY G. D., DUNNE M., GUIMARAIS L., HENNEQUIN PASCALE, HETZENECKER A., HONORÉ CYRILLE, LAUBER P., MARASCHEK M., NIKOLAEVA V., PRISIAZHNIUK D., STROTH U., VIEZZER E., THE ASDEX UPGRADE TEAM2 . Turbulence characteristics of the I-mode confinement regime in ASDEX Upgrade. *Nuclear Fusion* **57** (8) 086022 (2017).

[86] HAPPEL T., MANZ P., RYTER F., HENNEQUIN PASCALE, A. HETZENECKER , G.D. CONWAY , L. GUIMARAIS , C. HONORÉ , U. STROTH , E. VIEZZER , THE ASDEX UPGRADE TEAM . Turbulence intermittency linked to the weakly coherent mode in ASDEX Upgrade I-mode plasmas. *Nuclear Fusion* **56** (6) 064004 (2016).

RÉF. DOI : 10.1088/0029-5515/56/6/064004

[85] BOURDELLE C., ARTAUD J.F., BASIUK V., BÉCOULET M., BRÉMOND S., BUCALOSSO J., BUFFERAND H., CIRAOLO G., L. COLAS , Y. CORRE , X. COURTOIS , J. DECKER , L. DELPECH , P. DEVYNCK , G. DIF-

PRADALIER , R.P. DOERNER , D. DOUAI , R. DUMONT , A. EKEDAHN , N. FEDORCZAK , C. FENZI , M. FIRDAOUSS , J. GARCIA , P. GHENDRIH , C. GIL , G. GIRUZZI , M. GONICHE , C. GRISOLIA , A. GROSMAN , D. GUILHEM , R. GUIRLET , J. GUNN , HENNEQUIN PASCALE, J. HILLAIRET , T. HOANG , F. IMBEAUX , I. IVANOVA-STANIK , E. JOFFRIN , A. KALLENBACH , J. LINKE , T. LOARER , P. LOTTE , P. MAGET , Y. MARANDET , M.L. MAYORAL , O. MEYER , M. MISSIRLIAN , P. MOLLARD , P. MONIER-GARBET , P. MOREAU , E. NARDON , B. PÉGOURIÉ , Y. PEYSSON , R. SABOT , F. SAINT-LAURENT , M. SCHNEIDER , J.M. TRAVÈRE , E. TSITRONE , S. VARTANIAN , VERMARE LAURE, M. YOSHIDA , R. ZAGORSKI , JET CONTRIBUTORS . WEST Physics Basis. *Nuclear Fusion* **55** (6) 063017 (2015).
RÉF. DOI : 10.1088/0029-5515/55/6/063017

[84] DIF-PRADALIER G., HORNUNG G., GHENDRIH PH., SARAZIN Y., CLAIRET F., VERMARE LAURE, DIAMOND P.H., ABITEBOUL J., CARTIER-MICHAUD T., EHRLACHER C., ESTÈVE D., GARBET X., GRANDGIRARD V., GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, KOSUGA Y., LATU G., MAGET P., MOREL PIERRE, NORSCINI C., SABOT R., STORELLI A. Finding the Elusive ExB Staircase in Magnetized Plasmas. *Phys. Rev. Lett.* **114** 085004 (2015).
RÉF. DOI : 10.1103/PHYSREVLETT.114.085004

[83] LEYBROS ROBIN, BUFFERAND H., CIRAOLLO G., FEDORCZAK N., GHENDRIH PH., HENNEQUIN PASCALE, MARANDET Y., SERRE E., SCHWANDER F., TAMAIN P. Investigation of drift velocity effects on the EDGE and SOL transport. *Journal of Nuclear Materials* **463** 489 (2015).
RÉF. DOI : 10.1016/J.JNUCMAT.2014.10.079 0022-3115

[82] SINGH RAMESWAR, STORELLI A., GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, VERMARE LAURE, MOREL PIERRE, SINGH R. Geodesic acoustic modes in a fluid model of tokamak plasma: the effects of finite beta and collisionality. *Plasma Physics and Controlled Fusion* **57** 125002 (2015).
RÉF. DOI : 10.1088/0741-3335/57/12/125002
RÉF. WOS : 000373345000005

[81] STORELLI A., VERMARE LAURE, HENNEQUIN PASCALE, GÜRCAN ÖZGÜR D., DIF-PRADALIER G., SARAZIN Y., GARBET X., GÖRLER T., SINGH RAMESWAR, MOREL PIERRE, GRANDGIRARD V., GHENDRIH PH., TORE SUPRA TEAM. Comprehensive comparisons of geodesic acoustic mode characteristics and dynamics between Tore Supra experiments and gyrokinetic simulations. *Physics of Plasmas* **22** (6) - (2015).
RÉF. DOI : [HTTP://DX.DOI.ORG/10.1063/1.4922845](http://dx.doi.org/10.1063/1.4922845)

[80] STROTH U., BAÑÓN NAVARRO A., CONWAY G. D., GÖRLER T., HAPPEL T., HENNEQUIN PASCALE, LECHTE C., MANZ P., SIMON P., A. BIANCALANI, E. BLANCO , C. BOTTEREAU , F. CLAIRET , S. CODA , T. EIBERT , T. ESTRADA , A. FASOLI , L. GUIMARAIS , GÜRCAN ÖZGÜR D., Z. HUANG , F. JENKO , W. KASPAREK , C. KOENEN , A. KRÄMER-FLECKEN , M.E. MANSO , A. MEDVEDEVA , D. MOLINA , V. NIKOLAEVA , B. PLAUM , L. PORTE , D. PRISIAZHNIUK , T. RIBEIRO , B.D. SCOTT , U. SIART , STORELLI A., VERMARE LAURE, S. WOLF . Experimental turbulence studies for gyro-kinetic code validation using advanced microwave diagnostics. *Nuclear Fusion* **55** (8) 083027 (2015).
RÉF. DOI : 10.1088/0029-5515/55/8/083027

[79] ZOHM H., ASDEX UPGRADE TEAM (including P. HENNEQUIN), Recent ASDEX Upgrade research in support of ITER and DEMO, *Nuclear Fusion* **55** (10) 104010 (2015)

[78] CODA S., TCV TEAM, The science program of the TCV tokamak: exploring fusion reactor and power plant concepts, *Nuclear Fusion* **55** (10) 104004 (2015)

[77] DE MEIJERE C. A., CODA S., HUANG Z., VERMARE LAURE, VERNAY T., VUILLE V., BRUNNER S., DOMINSKI J., HENNEQUIN PASCALE, KRAEMER-FLECKEN A., MERLO G., PORTE L., VILLARD L. Complete multi-field characterization of the geodesic acoustic mode in the TCV tokamak. *Plasma Physics and*

Controlled Fusion **56** (7) 072001 (2014).

Réf. DOI : [10.1088/0741-3335/56/7/072001](https://doi.org/10.1088/0741-3335/56/7/072001)

[76] GHENDRIH PH., NORSCINI C., CARTIER-MICHAUD T., DIF-PRADALIER G., ABITEBOUL J., DONG YUE, GARBET X., GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, GRANDGIRARD V., LATU G., MOREL PIERRE, SARAZIN Y., STORELLI A., VERMARE LAURE. Phase space structures in gyrokinetic simulations of plasma turbulence. *European Physical Journal D* **68** (10) 303 (2014).

Réf. DOI : [10.1140/epid/e2014-50210-8](https://doi.org/10.1140/epid/e2014-50210-8)

[75] COTTIER P., BOURDELLE C. ; CAMENEN Y., GURCAN OD, CASSON FJ, GARBET X., HENNEQUIN P., TALA, T. Angular momentum transport modeling: achievements of a gyrokinetic quasi-linear approach. *Plasma Physics and Controlled Fusion* **56** 015011 (2014)

[74] FEDORCZAK, N.; GHENDRIH, PH; HENNEQUIN, P.; et al. Dynamics of tilted eddies in a transversal flow at the edge of tokamak plasmas and the consequences for L-H transition. *Plasma Physics and Controlled Fusion* **55** 124024 (2013)

[73] GÜRCAN Ö. D., VERMARE L., HENNEQUIN P., BERIONNI V., DIAMOND P.H., DIF-PRADALIER G., GARBET X., GHENDRIH PH., GRANDGIRARD V., MCDEVITT C.J., MOREL P., SARAZIN Y., STORELLI A., BOURDELLE C., TORE SUPRA TEAM. Structure of nonlocality of plasma turbulence. *Nuclear Fusion* **53** 073029 (2013).

[72] BECOULET, A. ; HOANG, G. T. ; ABITEBOUL, J. ; et al., Science and technology research and development in support to ITER and the Broader Approach at CEA, *Nuclear Fusion*, **53**, 104023 (2013)

[71] Ö. D. GÜRCAN, P. H. DIAMOND, X. GARBET, V. BERIONNI, G. DIF-PRADALIER, P. HENNEQUIN, P. MOREL, Y. KOSUGA, AND L. VERMARE. Transport of radial heat flux and second sound in fusion plasmas. *Phys. Plasmas* **20**, 022307 (2013)

[70] P. TAMAIN, G. BONHOMME, F. BROCHARD, F. CLAIRET, J. GUNN, P. HENNEQUIN, G. HORNUNG, L. VERMARE, PH. GHENDRIH AND THE TORE SUPRA TEAM. Interaction of plasma transport and turbulence on particle fuelling. *Journal of Nucl. Materials*, 438, S148 (2013).

[69] L. VERMARE, P. HENNEQUIN, Ö.D. GÜRCAN AND THE TORE SUPRA TEAM, Detection of geodesic acoustic mode oscillations, using multiple signal classification analysis of doppler backscattering signal on Tore Supra. *Nucl. Fusion* **52** 063008 (2012)

[68] L. VERMARE, P. HENNEQUIN, O. D. GURCAN, C. BOURDELLE, F. CLAIRET, X. GARBET, R. SABOT AND THE TORE SUPRA TEAM, Impact of collisionality on fluctuation characteristics of micro-turbulence, *Phys. Plasmas* **18**, 012306 (2011).

[67] C. BOURDELLE, T. GERBAUD, L. VERMARE, A. CASATI, T. ANIEL, J. F. ARTAUD, V. BASIUK, J. BUCALOSSO, F. CLAIRET, Y. CORRE, P. DEVYNCK, G. FALCHETTO, C. FENZI, X. GARBET, R. GUIRLET, Ö. GÜRCAN, S. HEURAU, P. HENNEQUIN, G. T. HOANG, F. IMBEAUX, L. MANENC, P. MONIER-GARBET, P. MOREAU, R. SABOT, J. L. SEGUI, A. SIRINELLI, D. VILLEGAS, AND TORE SUPRA TEAM. Collisionality scaling in Tore Supra : detailed energy confinement analysis, turbulence measurements and gyrokinetic modelling. *Nuclear Fusion*, **51** 063037 (2011)

[66] L. VERMARE, Ö. D. GÜRCAN, P. HENNEQUIN, C. HONORE, X. GARBET, J. C. GIACALONE, R. SABOT, F. CLAIRET, AND TORE SUPRA TEAM. Wavenumber spectrum of microturbulence in tokamak plasmas. *Comptes Rendus Physique*, **12** 2 :115–122, (2011)

- [65] C. FENZI, X. GARBET, E. TRIER, P. HENNEQUIN, C. BOURDELLE, T. ANIEL, G. COLLEDANI, P. DEVYNCK, C. GIL, Ö. GÜRCAN¹, L. MANENC, M. SCHNEIDER, J.-L. SEGUI AND THE TORE SUPRA TEAM. *Nucl. Fusion* **51** 103038 (2011)
- [64] SAOUTIC B. ; ABITEBOUL J. ; ALLEGRETTI L. ; ET AL.. Contribution of Tore Supra in preparation of ITER, *Nuclear Fusion*, **51**, 094014 (2011).
- [63] Ö. D. GÜRCAN, P. H. DIAMOND, P. HENNEQUIN, C. J. MCDEVITT, X. GARBET, AND C. BOURDELLE. Residual parallel Reynolds stress due to turbulence intensity gradient in tokamak plasmas. *Phys. Plasmas* **17**, 112309 (2010)
- [62] R. GUIRLET, A. SIRINELLI, T. PARISOT, R. SABOT, J.F. ARTAUD, C. BOURDELLE, X. GARBET, P. HENNEQUIN, G.T. HOANG, F. IMBEAUX, J.L. SÉGUI, D. MAZON AND D. VILLEGAS. Particle transport in low core turbulence Tore-Supra plasmas. *Nucl. Fusion*, **50** 095009 (2010)
- [61] X. GARBET, J. ABITEBOUL, E. TRIER, Ö. GÜRCAN, Y. SARAZIN, A. SMOLYAKOV, S. ALLFREY, C. BOURDELLE, C. FENZI, V. GRANDGIRARD, P. GHENDRIH, AND P. HENNEQUIN. Entropy production rate in tokamaks with nonaxisymmetric magnetic fields. *Phys. Plasmas* **17**, 072505 (2010)
- [60] Ö. GÜRCAN, L. VERMARE, P. HENNEQUIN, C. BOURDELLE, Error analysis of dimensionless scaling experiments with multiple points using linear regression, *Nuc. Fusion.*, **50**, 022003 (2010).
- [59] GURCAN, OD; HENNEQUIN, P; VERMARE, L, ET AL. *Shell models and the possibility of application to fusion plasmas*. Plasma Physics and Controlled Fusion, **52**, 045002 (2010)
- [58] GARBET, X., ABITEBOUL, J., BENKADDA, S., BOURDELLE, C., CASATI, A., CLAIRET, F., DUBUIT, N., FALCHETTO, G., FENZI, C., FUTATANI, S., GRANDGIRARD, V., GUIRLET, R., GÜRCAN, OD., D., HENNEQUIN, P., HEURAU, S., HOANG, GT., HONORE, C., SABOT, R., SARAZIN, Y., SEGUI, JL., SMOLYAKOV, A., TRIER, E., VERMARE, L., VILLEGAS, D. Measurements and Modeling of Turbulent Transport in the Tore Supra Tokamak, International Symposium waves, coherent structures and turbulence in plasmas, *AIP Conference Proceedings*, 1308, **75**, (2010)
- [57] R. SABOT, P. HENNEQUIN, L. COLAS. Fluctuation measurements and their link with transport on Tore Supra, *FUSION SCIENCE & TECHNOLOGY*, VOL.**56**, 1253-1272 (2009)
- [56] Ö. GÜRCAN, X. GARBET, P. HENNEQUIN, P. H. DIAMOND, A. CASATI, G. FALCHETTO, Wave-Number Spectrum of Drift-Wave Turbulence, *Phys. Rev. Lett.* 102, 255002 (2009)
- [55] G. GIRUZZI et al., Investigation of steady-state tokamak issues by long pulse experiments on Tore Supra, *Nucl. Fusion*, **49**, 104010 (2009).
- [54] CASATI A, BOURDELLE C., GARBET X., IMBEAUX F., CANDY J., CLAIRET F., DIF-PRADALIER G., FALCHETTO G. GERBAUD T., GRANDGIRARD V., GURCAN O. D., HENNEQUIN P., KINSEY J., OTTAVIANI M., SABOT R., SARAZIN Y., VERMARE L, WALTZ, R. E. Validating a quasi-linear transport model versus nonlinear simulations, *Nucl. Fusion*, **49**, 085012 (2009).
- [53] A. CASATI, T. GERBAUD, P. HENNEQUIN, C. BOURDELLE, J. CANDY, F. CLAIRET, X. GARBET, V. GRANDGIRARD, Ö. D. GÜRCAN, S. HEURAU, G. T. HOANG, C. HONORÉ, F. IMBEAUX, R. SABOT, Y. SARAZIN, L. VERMARE, AND R. E. WALTZ. Turbulence in the TORE SUPRA Tokamak: Measurements and Validation of Nonlinear Simulations. *Phys. Rev. Lett.* 102, 165005 (2009)
- [52] ABGRALL, R; ACHARD, MH; ADAM, J, ET AL. Tore Supra Team Members 1988-2008. *FUSION SCIENCE & TECHNOLOGY*, VOL.**56**, 1453-1454 (2009).

- [51] E. TRIER, L.-G. ERIKSSON, P. HENNEQUIN, C. FENZI, C. BOURDELLE, G. FALCHETTO, X. GARBET, T. ANIEL, F. CLAIRET AND R. SABOT. Radial electric field measurement in a tokamak with magnetic field ripple, *Nucl. Fusion* **48**, 092001 (2008)
- [50] SARAZIN, Y; GRANDGIRARD, V; ANGELINO, P, ET AL. Turbulence spectra and transport barriers in gyrokinetic simulations. *THEORY OF FUSION PLASMAS*, Vol. **1069**, 325 (2008)
- [49] R. SABOT, E. GUSAKOV, P. HENNEQUIN, S. HEURAU, Comment on Recent results on turbulence and MHD activity achieved by reflectometry, *Plasma Phys. Control. Fusion* **49** (2007) 561.
- [48] P. HENNEQUIN. *Scaling laws of density fluctuations in tokamak plasmas*. Académie des Sciences. C. R. Acad. Sci. Physique **7** (2006) 670.
- [47] R SABOT, F CLAIRET, G D CONWAY, L CUPIDO, X GARBET, G FALCHETTO, T GERBAUD, S HACQUIN, P HENNEQUIN, S HEURAU, C HONORÉ, G LECLERT, L MENESES, A SIRINELLI, L VERMARE AND A TRUC. *Recent results on turbulence and MHD activity achieved by reflectometry*. *Plasma Phys. Control. Fusion* **48** (2006) B421.
- [46] P. HENNEQUIN, C. HONORÉ, A. TRUC, A. QUÉMÉNEUR, C. FENZI-BONIZEC, C. BOURDELLE, X. GARBET, G.T. HOANG. *Fluctuation spectra and velocity profile from Doppler backscattering on Tore Supra*. *Nucl. Fusion* **46** (2006) S771–S779
- [45] C. HONORÉ, P. HENNEQUIN, A. TRUC AND A. QUÉMÉNEUR. *Quasi-optical Gaussian beam tracing to evaluate Doppler backscattering conditions*. *Nucl. Fusion* **46** (2006) S809.
- [44] A. M. YACOMOTTI, P. HENNEQUIN, C. HONORE, J-L. RAIMBAULT AND D. GRESILLON. Dynamics of density fluctuations in a turbulent flow. *Physica D*, **200**, 165 (2005).
- [43] P. HENNEQUIN, R. SABOT, C. HONORE, G. HOANG, X. GARBET, A. TRUC, C. FENZI, A. QUEMENEUR. Scaling laws of density fluctuations at high k on Tore Supra. *Plasma Physics and Controlled Fusion*, **46**, B121 (2004).
- [42] P. HENNEQUIN, C. HONORE, A. TRUC, A. QUEMENEUR, N. LEMOINE, J-M CHAREAU, R. SABOT. Doppler backscattering system for measuring fluctuations and their perpendicular velocity on Tore Supra. *Review of Scientific Instruments*, **75**, 3881 (2004).
- [41] F. DA SILVA, S. HEUREAUX, N. LEMOINE, C. HONORE, P. HENNEQUIN, E. MANSO, R. SABOT. Global Full-Wave Simulation of the Tore Supra Doppler Reflectometer. *Review of Scientific Instruments*, **75**, 3816 (2004).
- [40] R. SABOT, F. CLAIRET, C. HONORE, C. BOTTEREAU, J.-M. CHAREAU, F. GABILLET, P. HENNEQUIN, S. HEURAU, G. LECLERT, A. SIRINELLI, A. TRUC. Advances of reflectometry on Tore-Supra from edge density profile to core density fluctuations. *International Journal of Infrared and Millimeter Waves*, **25**, 229 (2004).
- [39] PAMELA J, JET-EFDA CONTRIBUTORS (*list*). Overview of JET results, *Nuclear Fusion* , **43**, 1540 (2003)
- [38] X LITAUDON, A BÉCOULET, F CRISANTI, R. WOLF, YU F BARANOV, E BARBATO, M BÉCOULET, C D CHALLIS, G D CONWAY, R DUX, L G ERIKSSON, C FOURMENT, X GARBET, C GIROUD, N C HAWKES, T HENDER, P HENNEQUIN, G T AHUYSMANS, F IMBEAUX, E JOFFRIN, P J LOMAS, PH LOTTE, P MAGET, M MANTSINEN, J MAILLOUX, D MAZON, D MOREAU, V PARAIL, Y SARAZIN, G TRESSET, K D

ZASTROW. Progress towards steady State operation and real-time control of internal transport barriers in JET, *Nuclear Fusion*, **43**, 565 (2003)

[37] T. C. HENDER, P. HENNEQUIN, B. ALPER, T. HELLSTEN, D. F. HOWELL, G. HUYSMANS, E. JOFFRIN, P. MAGET, J. MANICKAM, A. POCHELON, S. SHARAPOV, "MHD Stability with Strongly Reversed Magnetic Shear in JET", *Plasma Physics and Control. Fusion*, **44**, 1143 (2002).

[36] X LITAUDON, F CRISANTI, B ALPER, J F ARTAUD, YU F BARANOV, V BASIUK 1, A BÉCOULET 1, M BÉCOULET, C D CHALLIS, G D CONWAY, R DUX, L G ERIKSSON, C FOURMENT, X GARBET, C GIROUD, N C HAWKES, P HENNEQUIN, G T AHUYSMANS, F IMBEAUX, E JOFFRIN, P J LOMAS, PH LOTTE, P MAGET, M MANTSINEN, J MAILLOUX, D MAZON, D MOREAU, V PARAIL, Y SARAZIN, G TRESSET, K D ZASTROW. "Towards fully non-inductive current drive operation in JET", *Plasma Phys. Control. Fusion*, **44**, 1057 (2002)

[35] P. DEVYNCK, X. GARBET, PH. GHENDRIH, J. GUNN, C. HONORE, B. PEGOURIE, G. ANTAR, P. BEYER, C. BOUCHER, V. BUDAIEV, H. CAPES, P. HENNEQUIN, T. LOARER, A. QUEMENEUR, A. TRUC, J.C. VALLET "Edge turbulence during ergodic divertor operation in Tore Supra", *Nuclear Fusion*, **42**, 697 (2002).

[34] CRISANTI F., LITAUDON X., MAILLOUX J., MAZON D., BARANOV Y., BÉCOULET M., CHALLIS C.D., CONWAY G. D., DUX R., ERIKSSO L. G., ESPOSITO B., HENNEQUIN P., GIROUD C., HAWKES N.C., HUYSMANS G. T. A., IMBEAUX F., JOFFRIN, P. LOMAS, PH. LOTTE, P. MAGET, M. MANTSINEN, D. MOREAU, F. RIMINI, Y. SARAZIN, G. TRESSET, A. AND K.-D. ZASTROW. "Jet quasistationary internal-transport-barrier operation with active control of the pressure profile". *Phys. Rev. Lett.*, **88(14)** 145004-1 (2002)

[33] GRESILLON D., KHARCHENKO A., HONORE C., TOMCHUK B., TRUC A., HENNEQUIN P., CABRIT B., GABET X., LAVIRON C., OLIVAIN J., BONNET J.P., VILLAIN P., ANDRE R., HANUISE C. La diffusion exacerbée de la lumière par les gaz turbulents. *Images de la Physique*, 14-22 (2002).

[32] HENNEQUIN P. "Observation of low frequency fluctuations in tokamaks". *Fusion Science and Technology*, **41**, N°2T, p.234 (2002)

[31] P. DEVYNCK, J. GUNN, PH. GHENDRIH, X. GARBET, G. ANTAR, P. BEYER, C. BOUCHER, C. HONORE, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, A. TRUC. Density Fluctuations at High Density in the Ergodic Divertor Configuration of Tore Supra. (LPTP 3942). *Journal of Nuclear Materials*, **290-293**, 584 (2001).

[30] P. HENNEQUIN, C. HONORE, F. GERVAIS, A. QUEMENEUR, A. TRUC, R. SABOT, C. FENZI, X. GARBET, G. T. HOANG & D. THOUVENIN, X.L. ZOU: Edge Plasma Turbulence Analysis by Collective Light Scattering in the Tore Supra Tokamak, (LPTP 3941). *Review of Scientific Instruments*, **72**, 1155 (2001).

[29] X L ZOU, A GÉRAUD, P GOMEZ, J L SÉGUI, F CLAIRET, T DUDOK DE WIT, C FENZI, X GARBET, P HENNEQUIN, F. IMBEAUX, E JOFFRIN, G LECLERT, Y PEYSSON, R SABOT. (PMI 3961) Edge cooling experiments and non-local transport phenomena in Tore Supra. *Plasma Phys. Control. Fusion* **42**, 1067 (2000).

[28] FENZI C., GARBET X., TRUC A., CAPES H., DEVYNCK P., HENNEQUIN P., GERVAIS F., LAVIRON C., QUÉMÉNEUR A., Interplay between Edge and Core Fluctuations in the Tokamak TORE SUPRA, (PMI 3749). *Nuclear Fusion*, **40**, 1621 (2000).

[27] G. ANTAR, P. DEVYNCK, P. HENNEQUIN, X. GARBET, A. TRUC, R. SABOT, A. QUÉMÉNEUR, C. HONORÉ, C. FENZI, F. GERVAIS. Temporal separation of density fluctuation signal measured by light scattering. (PMI 3715). *Plasma Physics and Controlled Fusion*, **41**, **6**, 733 (1999).

- [26] C. FENZI, P. DEVYNCK, A. TRUC, X. GARBET, H. CAPES, C. LAVIRON, G. ANTAR, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, Up-down Asymmetries of Density Fluctuations in Tore Supra, (PMI 3690). *Plasma Phys. and Controlled Fusion*, **41**, 8, 1043 (1999).
- [25] G. ANTAR, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, P. DEVYNCK, C. FENZI, X. GARBET, C. LAVIRON. Statistical Study of Density Fluctuations in Tore Supra. (PMI 3520). *Plasma Physics and Controlled Fusion*. **40**, 947 (1998).
- [24] P. DEVYNCK, F. CLAIRET, X.L. ZOU, X. GARBET, L. COLAS, P. MOREAU, C. LAVIRON, G.T. HOANG, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR. Fluctuations and Associated Transport in L Mode in Tore Supra, (PMI 3426, EUR-CEA-FC N°1601). *Plasma Phys. and Controlled Fusion*, **39**, 9, 1355 (1997).
- [23] F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, A.L. PECQUET, C. LAVIRON, P. DEVYNCK. Density Fluctuations during the Sawtooth Crash in the Tore Supra Tokamak. (PMI 3322). *Plasma Physics and Controlled Fusion*, **39**, 1, 43 (1997).
- [22] G. AGARACI, EQUIPE TORE SUPRA (including P. HENNEQUIN), Stationary regimes of improved confinement in Tore Supra. *Plasma Physics and Controlled Fusion*, **38**, A251 (1996).
- [21] J. PAYAN, X. GARBET, J.H. CHATENET, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR. Turbulence during Ergodic Divertor Experiments in Tore Supra. (PMI 3069, EUR-CEA-FC N°1534). *Nuclear Fusion*, **35**, 1357 (1995).
- [20] X. GARBET, H. CAPES, F. CLAIRET, L. COLAS, M.A. DUBOIS, J.C.M. DE HAAS, C. GIL, PH. GHENDRIH, A. GROSMAN, L. GUIZIOU, G.T. HOANG, T. HUTTER, P. LAPORTE, C. LAVIRON, M. PAUME, J. PAYAN, R. SABOT, X.L. ZOU, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, D. GRÉSILLON. Transport and turbulence in Tore Supra. *Physica Scripta*, **51**, 617 (1995).
- [19] M.A. DUBOIS, R. NAKACH. R. Sabot, P. HENNEQUIN, Detailed magnetic Structure and stochastic threshold. *Space Science Reviews*. **68**, 81 (1994).
- [18] P. DEVYNCK, X. GARBET, C. LAVIRON, J. PAYAN, S.K. SAHA, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC. Localized Measurements of Turbulence in the Tore Supra Tokamak. (PMI 2597, EUR-CEA-FC N° 1453). *Plasma Physics and Controlled Fusion*, **35**, 65 (1993).
- [17] X. GARBET, J. PAYAN, C. LAVIRON, P. DEVYNCK, S.K. SAHA, H. CAPES, X.P. CHEN, J.P. COULON, T. HUTTER, A.L. PECQUET, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR. Turbulence and Energy Confinement in Tore Supra Ohmic Discharges. (PMI 2645, EUR-CEA-FC N° 1454). *Nuclear Fusion*, **32**, 2147 (1992).
- [16] CD. GRESILLON, B. CABRIT, J.P. VILLAIN, C. HANUISE, A. TRUC, C. LAVIRON, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, X. GARBET, J. PAYAN, P. DEVYNCK, Collective Scattering of Electromagnetic Wave and Cross-B Plasma Diffusion, (PMI 2630). *Plasma Physics and Controlled Fusion*, **34**, 1985 (1992). Topical Invited Lecture, ICPP, Innsbruck (July 1992).
- [15] A. TRUC, A. QUEMENEUR, P. HENNEQUIN, D. GRESILLON, F. GERVAIS, C. LAVIRON, J. OLIVAIN, S.K. SAHA, P. DEVYNCK. ALTAIR: a FIR Laser Scattering Diagnostic on Tore Supra. (PMI 2527, EUR-CEA-FC N°1437). *Review of Scientific Instrument*, **63**, 3716 (1992).
- [14] P. HENNEQUIN, M.A. DUBOIS, AND R. NAKACH. Anharmonicity in Resonant Perturbations and its effect on Stochasticity Extension. *Physics Letter A*, **164**, 259 (1992).

[13] M.A. DUBOIS AND P. HENNEQUIN. A Trigger for the internal $q=1$ Disruption in Tokamaks. *Nuclear Fusion*, **31**, 1409 (1991).

[12] D. MOREAU, C. GORMEZZANO, EQUIPE TORE SUPRA (including P. HENNEQUIN), Lower hybrid current drive in TORE SUPRA and JET. *Plasma Physics and Controlled Fusion*, **33**, 1621 (1991).

[11] J. ANDROLETTI, C. LAVIRON, J. OLIVAIN, A.L. PECQUET, F. GERVAIS, D. GRESILLON, P. HENNEQUIN, A. QUEMENEUR, A. TRUC. Density Fluctuations Associated with the Sawtooth Internal Disruption. (PMI 2239). *Journal de Physique III France*, **1**, 1529 (1991).

[10] D. J. GAMBIER, M. P. EVRARD, J. ADAM, A. BECOULET, S. CORTI, P. HENNEQUIN, J. JACQUINOT, D. F. START, K. THOMSEN, B.D. TUBBING, AND V. ZANZA. ICRF power deposition profile and determination of the electron thermal diffusivity by modulation experiments in JET. *Nuclear Fusion*, **30**, 23 (1990).

Actes de Conférences avec comité de lecture

[9] X. LITAUDON, A. BÉCOULE, F. CRISANTI, R.C. WOLF, YU.F. BARANOV, E. BARBATO, M. BÉCOULET, C. CASTALDO, C.D. CHALLIS, G.D. CONWAY, M.R. DE BAAR, P. DE VRIES, R. DUX, L.G. ERIKSSON, B. ESPOSITO, R. FELTON, C. FOURMENT, X. GARBET, R. GIANNELLA, C. GIROUD, N.C. HAWKES, T.C. HENDER, P. HENNEQUIN, G.M.D. HOGEWIJ, G.T.A. HUYSMANS, F. IMBEAUX, E. JOFFRIN, P.J. LOMAS, PH LOTTE, P. MAGET, J. MAILLOUX, P. MANTICA, M.J. MANTSINEN, D. MAZON, D. MOREAU, V. PARAIL, E. RACHLEW, F. RIMINI, Y. SARAZIN, B.C. STRATTON, T.J.J. TALA, G. TRESSET, O. TUDISCO, K-D. ZASTROW AND JET-EFDA CONTRIBUTORS, 19th IAEA Fusion Energy Conference, Lyon, France, 14-19 Oct-2002 , IAEA Vienna, EX/C3-4.

[8] X.L. ZOU, F. CLAIRET, L. COLAS, C. DE MICHELIS, P. DEVYNCK, T. DUDOK DE WIT, M. ERBA, C. FENZI, X. GARBET, A. GERAUD, C. GIL, P. GOMEZ, P. HENNEQUIN, F. IMBEAUX, E. JOFFRIN, C. LAVIRON, G. LECLERT, M. MATTIOLI, J.H. MISGUICH, M. PAUME, A.L. PECQUET, Y. PEYSSON, R. SABOT, T.F. SEAK, J.L. SEGUI. Investigation of dimensionless scaling laws and non local transport in Tore Supra. 17th IAEA Fusion Energy Conference (1998).

[7] C. LAVIRON, F. CLAIRET, L. COLAS, P. DEVYNCK, X. GARBET, F. GERVAIS, D. GRÉSILLON, L. GUIZIOU, P. HENNEQUIN, G.T. HOANG, P. MOREAU, M. PAUME, A. QUEMENEUR, A. TRUC, X. L. ZOU. Local Analysis of Transport and Turbulence in Tore Supra, (PMI 3326). In *Proc. 16th IAEA Fusion Energy Conf.*, Montréal, Oct. 1996, IAEA-CN-64/A6-3, IAEA Vienna, Vol. 1, 535 (1997).

[6] P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, A. TRUC, C. LAVIRON, P. DEVYNCK, A.L. PECQUET, Transient Density Fluctuations related to the Sawtooth Crash in the Tore Supra Tokamak. (PMI 3306), In *Proc. 16th IAEA Fusion Energy Conf.*, Montréal, Oct 1996, IAEA-CN-64/AP1-12, IAEA Vienna, Vol. 1, 677 (1997).

[5] TORE SUPRA TEAM, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC. Radiative Layer Experiments with an Ergodized Boundary in Tore Supra (PMI 3039), In *Proc. 15th IAEA Conf. on Plasma Physics and Controlled Fusion Research*, Séville, Sept. 1994, comm. IAEA-CN-60/A-4II-6.

[4] TORE SUPRA, TEAM, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, Recent Results on Tore Supra (PMI 3038). In *Proc. 15th IAEA . Conf. on Plasma Physics and Controlled Fusion Research*, IAEA, Séville, Sept. 1994, comm. IAEA-CN-60/A-1-I.

[3] X. GARBET, D. GRESILLON, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, A. TRUC, X.L. ZOU *et al.*, Transport and Turbulence in Tore Supra, (PMI 3010). In *Proc. 15th IAEA Int. Conf. on Plasma Phys. and Controlled Fusion Research*, Séville, Sept 1994, Comm. IAEA-CN-60/A2-III, 46.

[2] R. SABOT, M. A. DUBOIS, P. HENNEQUIN, R. NAKACH, B. PEGOURIE, P. BEAUFUME, H. W. DRAWIN, A. GERAUD, AND M.S.M. BENKADDA. Importance of detailed magnetic structures in Tokamaks. Energy transport and internal disruptions. (PMI 2663), In *Proceedings of 14th IAEA Conference on Plasma Physics and Controlled Fusion Research*, Wurzburg, October 1992. Vol 2, page 259.

[1] C. LAVIRON, X. GARBET, J. PAYAN, P. DEVYNCK, S.K. SAHA, H. CAPES, X.P. CHEN, J.P. COULON, C. GIL, G. HARRIS, T. HUTTER, A.L. PECQUET, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR. Heat Transport and Turbulence in TORE SUPRA Ohmic Discharges, (PMI 2598). In *Proc. of the 14th IAEA Conf. on Plasma Physics and Controlled Fusion Research*, Wurzburg, Oct. 1992, IAEA-CN-56/A-7-2, Vienna (1992), Vol. 1, 409.

Conférences invités (orateur)

P. HENNEQUIN, E. TRIER, M. GRIENER, T. HAPPEL, M. BERNERT, M. CAVEDON, G.D. CONWAY, T. EICH, M. FAITSCH, L. GUIMARAIS, G.F. HARRER, C. HONORE, P. MANZ, P.A. SCHNEIDER, U. STROTH, B. VANOVAC, E. WOLFRUM, THE ASDEX UPGRADE TEAM, AND THE EUROFUSION MST1 TEAM. Intermittent fluctuations associated with the different phases of the ELM cycle in ASDEX Upgrade, *Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas* (EFTSOMP 2019), **Invited**

HENNEQUIN P., HAPPEL T., PINZÓN J. R., FREETHY S., GÖRLER T., CONWAY G. D., ANGIONI C., TRIER E., SCHNEIDER P., STROTH U., ASDEX UPGRADE TEAM T., Plasma turbulence structure in the ASDEX Upgrade tokamak, Overview, *2nd Asia-Pacific Conference on Plasma Physics*, 16 Nov 2018, 11-16 November 2018, Kanazawa, Japan (2018) **invited**

HENNEQUIN P., Echelles et dynamique de la turbulence, observations par diffusion de la lumière dans les plasmas de tokamak, *15eme Congres de la SFP division Plasmas*, 12-14 juin 2018, Bordeaux (2018) **invited**

HENNEQUIN P., Fluctuations measurements from core to edge: examples of constraints for confrontation to simulations, *May Mini Workshop on the interplay of turbulent transport in divertor, SOL, edge and core regions and impact on performance*, 29-31 May 2018, Cadarache (2018) **invited**

P. HENNEQUIN, Fluctuation measurements in laboratory plasmas, in the context of magnetic fusion, *“From Laboratories to Astrophysics : the expanding universe of plasma physics”*, <http://ipag.osug.fr/~lesurg/plasmas2017/program.html>, Les Houches, 2-12 May 2017. **Invited**

HENNEQUIN PASCALE, SCHNEIDER PHILIP, HAPPEL T., RYTER F., BIRKENMEIER GREGOR, BUSTOS ANDRES, MEDVEDEVA ANNA, CONWAY G. D., BOTTEREAU CHRISTINE, CLAIRET F., DIF-PRADALIER G., JENKO F., GARBET X., GÖRLER T., GUIMARAIS LUIS, GÜRCAN ÖZGÜR D., HONORÉ CYRILLE, MOREL PIERRE, NIKOLAEVA V., PRISIAZHNIUK D., SIMON P., STROTH ULRICH, VERMARE LAURE AND THE ASDEX UPGRADE TEAM. Experimental Study of Turbulence spatial structure and its scaling with ρ^* . 42nd EPS Conference on Plasma Physics. 22 - 26 June 2015. Lisbon, Portugal, I.102 (2015). **Invited**

HENNEQUIN PASCALE, SCHNEIDER PHILIP, HAPPEL T., RYTER F., BIRKENMEIER G., MEDVEDEVA A., CONWAY G. D., BOTTEREAU C., CLAIRET F., GUIMARAIS L., GÜRCAN ÖZGÜR D., HONORÉ CYRILLE, MOREL PIERRE, NIKOLAEVA V., PRISIAZHNIUK D., STROTH U., VERMARE LAURE, ASDEX UPGRADE TEAM. Experimental Study of Turbulence spatial structure and its scaling with ρ^* . 20th EU-US Transport Task Force meeting. April 28th-May 1st, 2015. Salem, MA, USA. (2015). **Invited**

P. HENNEQUIN, O. GURCAN, C. HONORÉ, X. GARBET, L. VERMARE. *k spectra in Tore Supra : experiments, theory and modelling*, Satellite Workshop of the 38rd EPS Plasma Physics Conference on Electric Fields, Turbulence and Self-Organisation in Magnetized Plasmas (Strasbourg), 5-6th July 2011 (**invited**)

P. HENNEQUIN, *Core turbulence in Tokamak plasmas : observations by EM wave scattering, reflectometry and others*. Les Houches Winter School « Dynamics and turbulent transport in plasmas and conducting fluids », Feb. 28 - March 11 (2011) (**invited**)

P. HENNEQUIN, L. VERMARE, O. GURCAN, C. HONORÉ, E. TRIER, J-C. GIACALONE, R. SABOT, C. BOURDELLE, N. FEDORCZAK, X. GARBET. Fluctuations measurements from Doppler Reflectometry on Tore Supra. *International Conf. on Plasma Diag.* 12-16 April 2010. **Conférence invitée.**

P. HENNEQUIN. Fusion for Energy. 5th Forum Institut Laser Plasmas, 13-17 Mars 2005, Autrans (France). **Conférence invitée**

P. HENNEQUIN. Scaling laws of density fluctuations in tokamaks. 12th International Congress on Plasma Physics, 25-29 October 2004, Nice (France). **Conférence invitée**

P. HENNEQUIN, R. SABOT, C. HONORE, G.T. HOANG, X. GARBET, A. TRUC, C. FENZI, A. QUEMENEUR. DENSITY FLUCTUATIONS AT HIGH k ON TORE SUPRA. 31th EPS Conf. on Plasma Physics and Controlled Fusion, Londres, 28 Juin-2 Juillet 2004. **Conférence invitée.**

P. HENNEQUIN, O. MENICOT, A. QUEMENEUR, A. TRUC, F. GERVAIS, D. GRESILLON, P. DEVYNCK, X. GARBET, C. LAVIRON, R. GAILLARD, G.T. HOANG, Turbulent Transport Coefficient in Tore Supra: Instant Measurements by Collective Light Scattering. Internat. Conf. on Electromagnetic Scattering of Gases and Plasmas, Aussois March 1994, **Conférence invitée**

P. HENNEQUIN, M. A. DUBOIS, R. NAKACH. Anharmonicity in resonant perturbations and its effects on stochasticity extension. 4th European Fusion Theory Conference. Göteborg, June 17-19 1991. **Conférence invitée**

Conférences invités (contributeur)

U. PLANK, D. BRIDA, G. D. CONWAY, T. HAPPEL, A. E. HUBBARD, T. PÜTTERICH, C. ANGIANI, M. CAVEDON, R. DUX, R. FISCHER, P. HENNEQUIN, R. M. MCDERMOTT, H. MEYER, P. A. SCHNEIDER, THE ASDEX UPGRADE TEAM. Experimental Study of the Role of the Edge Radial Electric Field on the Access to H-mode at ASDEX Upgrade, 63rd Annual Meeting of the APS Division of Plasma Physics, Pittsburg, USA (APS DPP 2021), **Invited**

T. HAPPEL, A. E. HUBBARD, P. MANZ, M. L. REINKE, F. RYTER, D. SILVAGNI, R. BIELAJEW, G. D. CONWAY, S. J. FREETHY, L. GIL, M. GRIENER, P. HENNEQUIN, F. JANKY, A. MERLE, D. PRISIAZHNIUK, K. STIMMEL, U. STROTH, E. VIEZZER, THE ASDEX UPGRADE TEAM, AND THE EUROFUSION MST1 TEAM. Overview of ASDEX Upgrade I-mode results and extrapolation to future devices. 3rd Asia-Pacific Conference on Plasma Physics, 4-8, 11.2019, Hefei, China. **Invited**

GRIENER, E. WOLFRUM, G. FUCHERT, P. MANZ, G. BIRKENMEIER, R. DUX, R. FISCHER, P. HENNEQUIN, U. STROTH, D. WENDLER, THE ASDEX UPGRADE TEAM, On the nature of I-phase bursts at ASDEX Upgrade. *Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas* (EFTSOMP 2019), **Invited**

ANNE E. WHITE, R. BIELAJEW, A. J. CREELY, P. RODRIGUEZ FERNANDEZ, S. J. FREETHY, G. D. CONWAY, S. DENK, E. FABLE, T. GOERLER, T. HAPPEL, P. HENNEQUIN, AND THE ASDEX UPGRADE TEAM. Electron Temperature Fluctuation and n-T Phase Angle Measurements for Validation of Turbulent Transport Models at ASDEX Upgrade. 24th *Joint US-EU Transport Task Force Meeting 2019, Austin, USA*, 18-21 March 2019. **Plenary**.

HAPPEL T., FREETHY S., HENNEQUIN P., MANZ P., PRISIAZHNIUK D., RYTER F., SILVAGNI D., BRIDA D., DUNNE M., EICH T., FAITSCH M., GIL L., GRIENER M., GUIMARAIS L., MERLE A., NILLE D., PINZÓN J. R., SIEGLIN B., STROTH U., SUN H. J., VIEZZER E., ASDEX UPGRADE TEAM T., EUROFUSION MST1 TEAM T., Advances in the understanding of the I-mode confinement regime: access, stationarity, edge/SOL transport and divertor impact. *27th IAEA Fusion Energy Conference 2018 (IAEA FEC 2018)*, 22-27 October 2018, Ahmenabad, India (2018) EX/2-3, **invited**

LABIT B., EICH T., HARRER G., BERNERT M., DE OLIVEIRA H., DUNNE M., FRASSINETTI L., HENNEQUIN P., MAURIZIO R., MERLE A., MEYER H., MOLINA P., STOBER J., WOLFRUM E., TCV TEAM T., ASDEX UPGRADE TEAM T., EUROFUSION MST1 TEAM T., Plasma shape and fueling dependence on the small ELMs regime in TCV and AUG. *27th IAEA Fusion Energy Conference 2018 (IAEA FEC 2018)*, Ahmenabad, India, 22-27 October 2018 (2018), EX 2-5, **invited**

L. VERMARE, P. HENNEQUIN, O. GURCAN, X. GARBET, C. HONORÉ, P. MOREL, A. STORELLI, F. CLAIRET, R. SABOT AND THE TORE SUPRA TEAM. Dynamics and poloidal asymmetry of perpendicular flows in Tore Supra. *Workshop Electric fields, turbulence and self organisation in magnetised plasmas (EFTSOMP)*, Prague 9-10 July 2018. **Invited**

T HAPPEL, P HENNEQUIN, P MANZ, D BRIDA, S J FREETHY, M GRIENER, L GUIMARAIS, D PRISIAZHNIUK, U STROTH, Intermittency in ASDEX Upgrade I-mode edge plasmas, *Workshop Electric fields, turbulence and self organisation in magnetised plasmas (EFTSOMP)*, Prague 9-10 July 2018. **invited**

X. GARBET, Y. ASAHI, E. CASCHERA, G. DIF-PRADALIER, P. DONNEL, P. GHENDRIH, V. GRANDGIRARD, Ö. GÜRCAN, G. LATU, P. HENNEQUIN, Y. SARAZIN, A. SMOLYAKOV, L. VERMARE, Impact of flow poloidal asymmetries on transport in tokamaks, In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018). I1102 **invited**

T HAPPEL, M GRIENER, D SILVAGNI, S J. FREETHY, P HENNEQUIN, F JANKY, P MANZ, D NILLE, F RYTER, M BERNERT, D BRIDA, T EICH, M FAITSCH, L GIL, L GUIMARAIS, A MERLE, J R. PINZÓN, D PRISIAZHNIUK, B SIEGLIN, U STROTH, E VIEZZER, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. The I-mode confinement regime on the ASDEX Upgrade tokamak: scrape-off layer properties and investigation of stationary and transient divertor heat loads, 23rd International Conference on Plasma Surface Interactions in Controlled Fusion Devices, Princeton, USA, 18-22 June (2018) **invited**

SIMON FREETHY, T GÖRLER, A J. CREELY, G D. CONWAY, T HAPPEL, C KOENEN, P HENNEQUIN, A E. WHITE, THE ASDEX UPGRADE TEAM
Advances in turbulence measurements using new Correlation ECE and nT-phase diagnostics at ASDEX Upgrade. 20th Joint Workshop on Electron Cyclotron Emission and Resonance Heating (EC-20, **invited**) (2018)

DIF-PRADALIER G., GHENDRIH PH., SARAZIN Y., DIAMOND P.H., GARBET X., GRANDGIRARD V., GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, MOREL PIERRE, VERMARE LAURE. Interesting Physics in Boring Plasmas: Validation & Open Issues. 21st Joint EU-US Transport Task Force Meeting. 5-8 September 2016. Leysin (Switzerland). (2016). **Invited**

HAPPEL T., MANZ P., RYTER F., BERNERT M., DUNNE M., HENNEQUIN PASCALE, HETZENECKER A., STROTH G., CONWAY G. D., GUIMARAIS L., HONORÉ CYRILLE, VIEZZER E., THE ASDEX UPGRADE TEAM.

The I-mode confinement regime at ASDEX Upgrade: global properties and characterization of strongly intermittent density fluctuations. 43rd EPS Conference on Plasma Physics. 4 - 8 July 2016. Leuven, Belgium. I1.101 (2016). **Invited**

S. CODA, Z. HUANG, S. BRUNNER, C.A. DE MEIJERE, DOMINSKI J., MERLO G., PORTE L., VERMARE L., FONTANA L., HENNEQUIN P., KRAEMER-FLECKEN A., VILLARD L., The electromagnetic geodesic acoustic mode in the eigenmode and multimode regimes in TCV., 42nd EPS Conference on Plasma Physics, 22 - 26 June 2015, Lisbon, Portugal I1.101 (2015) **Invited**

FEDORCZAK N., DIAMOND P.H., TYNAN G.R., MANZ P., HENNEQUIN P., XU G.S., BUCALOSSO J., VERMARE L. Geometrical aspects of the turbulence at the edge of tokamak plasmas and consequences on L-H transition threshold. 40th European Physical Society Conference on Plasma Physics. 1st-5th July 2013. Espoo, Finland. (I4.111) (2013). **invited**

DIF-PRADELIER G., GHENDRIH PH., DIAMOND P.H., GARBET X., GRANDGIRARD V., PALERMO F., SARAZIN Y., STRUGAREK A., ABITBOUL J., GÜRCAN ÖD., HENNEQUIN P., MOREL P., VERMARE L. Spatial propagation of turbulence and formation of mesoscopic structures in GK simulations. U.S. - E.U. Joint Transport Task Force Workshop. April 9-12 2013. Santa Rosa, California, USA. (http://tff2013.ucsd.edu/TTF_Meeting/Home.html) (2013). **invited**

Ö. D. GÜRCAN, L. VERMARE, P. HENNEQUIN, V. BERIONNI, P. H. DIAMOND, G. DIF-PRADALIER, X. GARBET, P. GHENDRIH, V. GRANDGIRARD, C. J. MCDEVITT, P. MOREL, Y. SARAZIN, A. STORELLI, C. BOURDELLE, AND THE TORE SUPRA TEAM. *Is "near edge" transport non-local?* 17th Joint EU-US Transport Task Force Meeting, Padova - September 3-6, 2012. (**invited**)

C. FENZI, X. GARBET, E. TRIER, P. HENNEQUIN, C. BOURDELLE, T. ANIEL, G. COLLEDANI, P. DEVYNCK, C. GIL, Ö. GÜRCAN, L. MANENC, M. SCHNEIDER, J.-L. SEGUI AND THE TORE SUPRA TEAM. On Plasma Rotation with Toroidal Magnetic Field Ripple and no External Momentum Input. In proceedings of 23rd IAEA Fusion Energy Conference ,11-16 October 2010, Daejeon, Korea. EX/3-4 (**invited**)

L. VERMARE, P. HENNEQUIN, Ö. GÜRCAN, C. HONORÉ, C. BOURDELLE, T. ANIEL, A. CASATI, F. CLAIRET, R. DUMONT, X. GARBET, T. GERBAUD, J.-C. GIACALONE, R. SABOT, J.-J. SÉGUI AND THE TORE SUPRA TEAM. *Caractérisation de la micro-turbulence par réflectométrie Doppler dans Tore Supra*. Xleme congrès de la Division Plasma de la SFP, Bordeaux, 10-12 Mai 2010. **invited**

G. GIRUZZI, ET AL. Investigation of Steady-State Tokamak Issues by Long Pulse Experiments on Tore Supra. 22nd IAEA Fusion Energy Conference, Geneva, 13-18 October 2008. **Invited**

R. SABOT, F. CLAIRET, G. D. CONWAY, X. GARBET, T. GERBAUD, S. HACQUIN, P. HENNEQUIN, S. HEURAU, C. HONORÉ, G. LECLERT, L. MENESES, A. SIRINELLI, L. VERMARE AND A. TRUC. 33th EPS Conf. on Plasma Physics and Controlled Fusion, Rome, 17-21 Juin 2006. **invited**.

G. GIRUZZI, on behalf on the Tore Supra Team, J.F. ARTAUD, V. BASIUK, C. BOURDELLE, L.G. ERIKSSON, C. FENZI, P. HENNEQUIN, G.T. HOANG, F. IMBEAUX, E. JOFFRIN, P. MAGET, F. RIMINI, J.L. SÉGUI, V. UDINTSEV, X.L. ZOU, Advances in the physics of steady-state plasmas by long pulse experiments on Tore Supra, 32nd EPS Conference on Controlled Fusion and Plasma Physics, Tarragona, (2005), **invited**.

D. GRESILLON, C. HONORE, B. CABRIT, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, J.P. BONNET, A. VIGNER, C. LAVIRON, P. DEVYNCK, J.P. VILLAIN, R. ANDRE, C. HANUISE. La diffusion collective et le diagnostic des gaz et des plasmas turbulents, Congrès de la SFP, Paris, 7-10 juillet 1997. Conférence invitée.

X. GARBET, H. CAPES, F. CLAIRET, L. COLAS, M.A. DUBOIS, A. TRUC, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, D. GRESILLON, Transport and Turbulence in Tore Supra. *"Transport in Fusion Plasmas"*, ASPENAS, Göteborg, Suède, June 1994. **invited**

D. GRESILLON, B. CABRIT, J.P. VILLAIN, C. HANUISE, A. TRUC, C. LAVIRON, P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, X. GARBET, J. PAYAN, P. DEVYNCK, Collective Scattering of Electromagnetic Wave and Cross-B Plasma Diffusion, Topical **Invited** Lecture, Int. Conf. on Plasma Physics, Innsbruck (July 1992).

C. LAVIRON, P. DEVYNCK, X. GARBET, J. PAYAN, S.K. SAHA, A. TRUC, A. QUEMENEUR, P. HENNEQUIN, D. GRESILLON, F. GERVAIS, Spatial Resolution with a CO₂ Laser Scattering Experiment on Tore Supra. 5th Int. Symp. on Laser-Aided Plasma Diagnostics, Bad Honnef, Aug. 1991. **invited**

Conférences avec actes et contributions

KLARA HÖFLER, K HÖFLER, T GÖRLER, T HAPPEL, P HENNEQUIN, P A. MOLINA CABRERA, M BERGMANN, R S. BIELAJEW, G D. CONWAY, P DAVID, R FISCHER, F JENKO, C LECHTE, R M. MCDERMOTT, P A. SCHNEIDER, A E. WHITE, U STROTH, THE ASDEX UPGRADE TEAM. Comprehensive experimental turbulence measurements for scale-resolved multichannel gyrokinetic code validation. *2022 US-EU Joint Transport Task Force Workshop (TTF 2022)* April 5-8 2022, **Oral**

PEDRO A. MOLINA CABRERA, W KASPAREK, T HAPPEL, L KAMMERLOHER, H EIXENBERGER, PASCALE HENNEQUIN, KLARA HOEFLER, C HONORE, THE ASDEX-UPGRADE TEAM. W-band tunable, multi-channel, frequency comb Doppler backscattering diagnostic in the ASDEX-Upgrade tokamak. *15th International Reflectometry Workshop for fusion plasma diagnostics (IRW15 2022)*, 7-10/06/2022, ITER SITE, CADARACHE (FRANCE). **Oral**

K. HÖFLER, T. GÖRLER, T. HAPPEL, P. HENNEQUIN, P. A. MOLINA CABRERA, M. BERGMANN, R. S. BIELAJEW, G. D. CONWAY, P. DAVID, S. S. DENK, R. FISCHER, A. FRANK, C. LECHTE, R. M. MCDERMOTT, P. A. SCHNEIDER, A. E. WHITE, U. STROTH AND THE ASDEX UPGRADE TEAM. Comprehensive Experimental Turbulence Measurements for Scale-Resolved Multichannel Gyrokinetic Code Validation. *63rd Annual Meeting of the APS Division of Plasma Physics*, Pittsburg, USA (APS DPP 2021), **Oral**

L. VERMARE, P. HENNEQUIN, M. PERET, C. HONORÉ, C. BOURDELLE, F. CLAIRET, R. DUMONT, N. FEDORCZAK, M. GONICHE, J. GUNN, P. MAGET, J. MORALES, R. VARENNES AND THE WEST TEAM. Flow dynamics approaching L-H transition. *47th European Physical Society Conference on Plasma Physics (EPS 2020)* 21-25 JUNE 2021, VIRTUAL

N LEUTHOLD, W SUTTROP, M WILLENSDORFER, G BIRKENMEIER, D BRIDA, M CAVEDON, M DUNNE, G CONWAY, L GIL, T HAPPEL, P HENNEQUIN, A KIRK, P MANZ, R MCDERMOTT, J VINCENTE, H ZOHRM Evidence of increased turbulent transport due to magnetic perturbations at ASDEX Upgrade. *47th European Physical Society Conference on Plasma Physics (EPS 2020)* 21-25 JUNE 2021, VIRTUAL

L. VERMARE, P. HENNEQUIN, M. PERET, C. HONORÉ, C. BOURDELLE, F. CLAIRET, R. DUMONT, N. FEDORCZAK, M. GONICHE, J. GUNN, P. MAGET, J. MORALES, R. VARENNES AND THE WEST TEAM. Formation of the radial electric field in the WEST Tokamak. *28th IAEA Fusion Energy Conference (IAEA 2020)* 10-15 May 2021, Virtual, FRANCE.

<https://CONFERENCES.IAEA.ORG/EVENT/214/CONTRIBUTIONS/17454/>

P A SCHNEIDER, C ANGIONI, L FRASSINETTI, L HORVATH, M MASLOV, F AURIEMMA, N BONANOMI, V BOBKOV, M CAVEDON, C CHALLIS, P DAVID, E DELABIE, M G. DUNNE, R FISCHER, J M. FONTDECABA CLIMENT, C GIROUD, P HENNEQUIN, J HOBIRK, C HOPF, A KAPPATOU, J KAZAKOV, D L. KEELING, B KURZAN, M LENNHOLM, B LOMANOVSKI, C F. MAGGI, R M. McDERMOTT, U PLANK, T PÜTTERICH, F RYTER, A THORMAN, A C. C. SIPS, M WEILAND, M WILLENSDORFER. The dependence of confinement on the isotope mass in the core and the edge of AUG and JET H-mode plasmas. *28th IAEA Fusion Energy Conference (IAEA 2020) 10-15 May 2021, Virtual, FRANCE*

GF HARRER, E WOLFRUM, M FAITSCH, P DAVID, M G. DUNNE, T EICH, M GRIENER, P HENNEQUIN, B LABIT, P MANZ, L RADOVANOVIC, F AUMAYR, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. On the effect of heating and fuelling on small ELM regimes. *17th International workshop on H-mode physics and transport barriers (H-mode workshop 2019)*, **Oral** 9-11 Oct.2019

M. GRIENER, E. WOLFRUM, G. HARRER, P. HENNEQUIN, P. MANZ, R. FISCHER, B. TAL, U. STROTH, THE ASDEX UPGRADE TEAM, AND THE EUROFUSION MST1 TEAM, Investigation of intermittent and continuous transport in the scrape-off layer of ASDEX Upgrade. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019. O2.105, **Oral**

G.D. CONWAY, F. PALERMO, I. NOVIKAU, P. MANZ, P. SIMON, P. HENNEQUIN, AND THE ASDEX UPGRADE TEAM. Observations on edge GAM-turbulence interactions in ASDEX Upgrade. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019. P2.1091

C. BOURDELLE, J. BUCALOSSI, N. FEDORCZAK, T. LOARER, PH. MOREAU, E. TSITRONE, J.-F. ARTAUD, S. BREZINSEK1, H. BUFFERAND, L. COLAS, Y. CORRE, X. COURTOIS, L. DELPECH, C. DESGRANGES, P. DEVYNCK, T DITTMAR, A DRENIK, D. DOUAI, R. DUMONT, F. DURODIÉ, A. EKEDAHL, J. GARCIA, J. GASPAR, C. GIL, M. GONICHE, J. GUNN, W. HELOU, P. HENNEQUIN, C.C. KLEPPER, E. LERCHE, P. MAGET, Y. MARANDET, D. MAZON, O. MEYER, G. LOMBARD, P. MANAS, P. MOLLARD, J. MORALES, E. NARDON, R. NOUAILLETAS, M. PERET, Y. PEYSSON, C. REUX, F. SAINT-LAURENT, J.-L. SCHWOB, P. TAMAIN, G. URBANCZYK, S. VARTANIAN, L. VERMARE, D. VÉZINET, X. YANG AND THE WEST TEAM. Ramping up RF power and increasing pulse length in the full tungsten environment of WEST. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019, O5.101 **Oral**

M. CAVEDON, R. DUX, T. HAPPEL, P. HENNEQUIN, U. PLANK, T. PÜTTERICH, F. RYTER1, U. STROTH, E. VIEZZER, E. WOLFRUM AND THE ASDEX UPGRADE TEAM. Inner versus outer ExB shear layer: an attempt to radially localize the L-H transition. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019. P5.1069

G.F. HARRER, E. WOLFRUM, M.G. DUNNE, T. EICH, R. FISCHER, M. GRIENER, P. HENNEQUIN, A. BOCK, B. LABIT, P. MANZ, H. MEYER, L. RADOVANOVIC, S. SAARELMA, M. WILLENSDORFER, F. AUMAYR, THE ASDEX UPGRADE TEAM AND THE EUROFUSION MST1 TEAM. The ballooning structure of small edge localized modes in AUG and TCV. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019. O4.104, **Oral**

T. EICH, P. MANZ, R.J. GOLDSTON, P. HENNEQUIN, P. DAVID, M. FAITSCH, B. KURZAN, B. SIEGLIN, E. WOLFRUM, THE ASDEX UPGRADE TEAM AND THE EUROFUSION MST1 TEAM. Turbulence driven widening of the near-SOL power width for H-mode operation in ASDEX Upgrade. *In Proceedings of the 46th European Physical Society Conference on Plasma Physics*. Milano, Italy, 8-12 Jul 2019. O4.106, **Oral**

K. HÖFLER, T. HAPPEL, P. HENNEQUIN, M. CAVEDON, G.D. CONWAY, R. McDERMOTT, U. PLANK, E. TRIER, U. STROTH AND THE ASDEX UPGRADE TEAM. Study of poloidal asymmetries in the flow velocity

perpendicular to the magnetic field of the ASDEX Upgrade tokamak. *14th International Reflectometry Workshop*, Lausanne, Switzerland, 22-24 May 2019.

P. HENNEQUIN, T. HAPPEL, C. HONORÉ, J. PINZON, K. HÖFLER, G.D. CONWAY, P. A. SCHNEIDER, C. ANGIONI, U. STROTH, L. VERMARE, AND THE ASDEX UPGRADE TEAM. Correlation Doppler Back-Scattering on ASDEX Upgrade: optimisation for extended turbulence spatial structure studies *14th International Reflectometry Workshop*, Lausanne, Switzerland, 22-24 May 2019.

T. HAPPEL, W. KASPAREK, P. HENNEQUIN, K. HÖFLER, AND THE ASDEX UPGRADE TEAM5, Design of a Variable Frequency Comb Reflectometer System for the ASDEX Upgrade Tokamak. *14th International Reflectometry Workshop*, Lausanne, Switzerland, 22-24 May 2019.

MATHIEU PERET, L. VERMARE, N. FEDORCZAK, P. HENNEQUIN, C. HONORÉ, F. CLAIRET AND THE WEST TEAM. Perpendicular velocity evolution in the first plasmas of the WEST tokamak. *14th International Reflectometry Workshop*, Lausanne, Switzerland, 22-24 May 2019.

L. VERMARE, G. DIF-PRADALIER, X. GARBET, P. HENNEQUIN, C. HONORÉ, M. PERET, F. CLAIRET, AND TORE SUPRA & GYSELA TEAMS. Perpendicular flows in Tore Supra plasmas. *14th International Reflectometry Workshop*, Lausanne, Switzerland, 22-24 May 2019.

P. A. SHNEIDER, N. BONANOMI, C. ANGIONI, M. CAVEDON, M. G. DUNNE, P. HENNEQUIN, J. HOBIRK, B. KURZAN, R. M. MDERMOTT, T. PÜTTERICH, F. RYTER, M. WILLENSDORFER, THE ASDEX UPGRADE TEAM AND THE EUROFUSION MST1 TEAM. Investigation of core transport properties with different isotope masses for matched edge conditions. *24th Joint US-EU Transport Task Force Meeting 2019, Austin, USA*, 18-21 March 2019. **Oral**

K. HÖFLER, T. HAPPEL, P. HENNEQUIN, ALEXANDER J. CREELY, T. GÖRLER, E. TRIER, U. STROTH, AND THE ASDEX UPGRADE TEAM. Scale-Resolved Multi-Field Experimental Investigation of Turbulence for the Validation of Gyrokinetic Simulations. , *DPG-Frühjahrstagung der Sektion Materie und Kosmos (SMuK) (DPG SMuK 2019)*, Munich, **Oral** 17-22 March 2019.

GF HARRER, E WOLFRUM, M G. DUNNE, T EICH, M GRIENER, P HENNEQUIN, B LABIT, P MANZ, L RADOVANOVIC, F AUMAYR, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. A ballooning mode description of small ELMs DPG-Frühjahrstagung (DPG SMuK 2019) **Oral** (17 - 22 Mar 2019, München, Germany).

J. BUCALOSSI, C. BOURDELLE, N. FEDORCZAK, T. LOARER, PH. MOREAU, E. TSITRONE, J.-F. ARTAUD, S. BREZINSEK1, H. BUFFERAND, L. COLAS, X. COURTOIS, L. DELPECH, C. DESGRANGES, P. DEVYNCK, D. DOUAI, R. DUMONT, A. EKEDAHL, J. GARCIA, J. GASPAR, C. GIL, M. GONICHE, J. GUNN, W. HELOU, P. HENNEQUIN, C.C. KLEPPER, G. LOMBARD, P. MAGET, Y. MARANDET4, D. MAZON, O. MEYER, P. MOLLARD, J. MORALES, E. NARDON, R. NOUAILLETAS, Y. PEYSSON, C. REUX, F. SAINT-LAURENT, P. TAMAIN, G. URBANCZYK, L. VERMARE, D. VEZINET AND THE WEST TEAM*. WEST first plasma operation with all tungsten plasma facing components, 60th Annual Meeting of the APS Division of Plasma Physics (APS 2018), November 5–9, 2018, Portland, US (2018)

S. FREETHY, A E. WHITE, T GÖRLER, A J. CREELY, G D. CONWAY, S S. DENK, E FABLE, T HAPPEL, P HENNEQUIN, P RODRIGUEZ-FERNANDEZ, THE ASDEX UPGRADE TEAM. Measurements and theoretical comparisons of electron turbulence at ASDEX Upgrade. 60th Annual Meeting of the APS Division of Plasma Physics (APS 2018) November 5–9, 2018, Portland, US (2018)

BUCALOSSI J., BOURDELLE C., FEDORCZAK N., LOARER T., MOREAU P., TSITRONE E., ARTAUD J.-F., BREZINSEK S., BUFFERAND H., COURTOIS X., DELPECH L., DESGRANGES C., DEVYNCK P., DOUAI D., DUMONT R., EKEDAHL A., GARCIA J., GARPAN J., GIL C., GONICHE M., GUNN J., HELOU W., HENNEQUIN

P., KEPLER C., MAGET P., MARANDET Y., MAZON D., MEYER O., MORALES J., NARDON E., NOUAILLETAS R., PEYSSON Y., REUX C., SAINT-LAURENT F., TAMAIN P., VERMARE L., VEZINET D., WEST TEAM T., WEST first plasma operation with all tungsten PFC, *27th IAEA Fusion Energy Conference (FEC 2018)*, 22-27 October 2018, Ahmenabad, India (2018)

T GOERLER, A DI SIENA, H DOERK, T HAPPEL, S FREETHY, I-G. FARCAS, A BAÑÓN NAVARRO, R BILATO, A BOCK, J CITRIN, G D. CONWAY, A CREELY, P HENNEQUIN, F JENKO, T JOHNSON, C LECHTE, T NECKEL, E POLI, M SCHNEIDER, E SONNENDRUECKER, J STÖBER, A E. WHITE, ASDEX UPGRADE TEAM, JET CONTRIBUTORS, En route to high-performance discharges: Insights and guidance from high-realism gyrokinetics, *27th IAEA Fusion Energy Conference (FEC 2018)*, 22-27 October 2018, Ahmenabad, India (2018)

T. HAPPEL, P. MANZ, D. PRISIAZHNIUK, F. RYTER, D. SILVAGNI, D. BRIDA, M. DUNNE, T. EICH, M. FAITSCH, M. GRIENER, D. NILLE, J. R. PINZON, B. SIEGLIN, U. STROTH, H. J. SUN, S. FREETHY, P. HENNEQUIN, L. GUIMARAES, E. VIEZZER, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM. Advances in the understanding of the i-mode confinement regime: access, stationarity, edge/sol transport and divertor impact. *27th IAEA Fusion Energy Conference (FEC 2018)*, 22-27 October 2018, Ahmenabad, India (2018). EX/2-3

L. VERMARE, P. HENNEQUIN, O. GURCAN, X. GARBET, C. HONORÉ, P. MOREL, A. STORELLI, F. CLAIRET, R. SABOT AND THE TORE SUPRA TEAM. Dynamics and poloidal asymmetry of perpendicular flows in Tore Supra. 23rd Joint EU-US Transport Task Force Meeting (TTF2018), Seville, 11-14 September (2018). **Oral**

G.D. CONWAY, P.SIMON, F. PALERMO, D. PRISIAZHNIUK, G. BIRKENMEIER, P. MANZ, I. NOVIKAU, P. HENNEQUIN, AND THEASDEXUPGRADETEAM, Review of recent GAM - turbulence interaction studies on ASDEX Upgrade. 23rd Joint EU-US Transport Task Force Meeting (TTF2018), Seville, 11-14 September (2018). **Oral**

E TRIER, P HENNEQUIN, J PINZON, M HOELZL, G CONWAY, T HAPPEL, G HARRER, F MINK, F ORAIN, E WOLFRUM, Studying ELM filaments with Doppler reflectometry in ASDEX Upgrade, In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018), P1.1023.

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, C. HONORÉ, P. MOREL, A. STORELLI, P. DONNEL, X. GARBET, J. C GIACALONE, AND THE TORE SUPRA TEAM. Poloidal asymmetry and dynamics of perpendicular flow in Tore Supra plasmas. In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018), P5.1062.

JAVIER PINZON, C ANGIONI, T HAPPEL, P HENNEQUIN, E BLANCO, T ESTRADA, U STROTH, THE ASDEX UPGRADE TEAM. Experimental investigation of the mean turbulent structure tilt angle in the ASDEX Upgrade tokamak. In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018), P1.1097.

PHILIP A. SCHNEIDER, C. ANGIONI, M. DUNNE, M. CAVEDON, P. HENNEQUIN, BERND KURZAN, PIERRE MANAS, FELICIAN MINK, RACHAEL McDERMOTT, FRANCOIS RYTER, MATTHIAS WILLENSDORFER, ELISABETH WOLFRUM, ASDEX UPGRADE TEAM. Experimental separation of core transport and edge pedestal isotope dependencies by variation of the plasma shape. In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018), P5.1078.

S. FREETHY, T GÖRLER, A J. CREELY, G D. CONWAY, S S. DENK, T HAPPEL, P HENNEQUIN, A E. WHITE, THE ASDEX UPGRADE TEAM. Turbulence measurements and gyrokinetic validation at ASDEX

Upgrade. In proceedings of the 45th European Physical Society Conference on Plasma Physics, Prague, 2-6 July (2018), O4.109. **Oral**

OCHOUKOV R., BOBKOV V., DUNNE M., FAUGEL H., GARCÍA MUÑOZ M., GEIGER B., HENNEQUIN P., McCLEMENT K., MOSEEV D., NIELSEN S., RASMUSSEN J., SCHNEIDER P., WEILAND M., NOTERDAEME J.-M., ASDEX UPGRADE TEAM, EUROFUSION MST1 TEAM. Ion cyclotron emission (ICE) study on the ASDEX Upgrade tokamak. 22nd Topical Conference on High Temperature Plasma Diagnostics (HTPD 2018), 16 - 19 Apr 2018, San Diego, USA.

KLARA HOEFLER, T HAPPEL, P HENNEQUIN, F RYTER, U STROTH, THE ASDEX UPGRADE TEAM. Signatures of non-local electron heat transport in fusion plasmas, *DPG-Frühjahrstagung der Sektion AMOP* (DPG 2018), Bremen, 4-9 March 2018.

P. HENNEQUIN, F. LAGGNER, F. MINK, E. WOLFRUM, E. TRIER, T. EICH, M. BERNERT, G. BIRKENMEIER, G.D. CONWAY, T. HAPPEL, C. HONORÉ, Ö. GÜRCAN, P. MANZ, A. MEDVEDEVA, U. STROTH, THE ASDEX UPGRADE TEAM, AND THE EUROFUSION MST1 TEAM. Inter-ELM Fluctuations and Flows and their evolution when approaching the density limit in the ASDEX Upgrade tokamak. In Proceedings 44th EPS Conference on Plasma Physics, Belfast, 2017, P1.167.

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, C. HONORÉ, A. STORELLI, F. CLAIRET, X. GARBET, J. C. GIACALONE, R. SABOT, AND THE TORE SUPRA TEAM. Poloidal asymmetry of perpendicular velocity of the density fluctuations. In Proceedings 44th EPS Conference on Plasma Physics, Belfast, 2017, P5.183.

E TRIER, E WOLFRUM, M WILLENSDORFER, Q YU, F RYTER, C ANGIANI, M G. DUNNE, S DENK, R FISCHER, P HENNEQUIN, B KURZAN, T ODSTRCIL, P A. SCHNEIDER, U STROTH, B VANOVAČ, THE ASDEX UPGRADE TEAM, THE EUROFUSION MST1 TEAM, ELM-induced cold pulses propagation in ASDEX Upgrade. In Proceedings 44th EPS Conference on Plasma Physics, Belfast, 2017, P.

G. BIRKENMEIER, T HAPPEL, P HENNEQUIN, G D. CONWAY, P MANZ, M CAVEDON, A MEDVEDEVA, F RYTER, E WOLFRUM, U STROTH, THE ASDEX UPGRADE TEAM. Isotope dependence of limit-cycle oscillations in ASDEX Upgrade plasmas. 44th European Physical Society Conference on Plasma Physics (EPS 2017, Belfast), P1.166 (2017)

G.D. CONWAY, C LECHTE, P HENNEQUIN, P SIMON, ASDEX UPGRADE TEAM. Investigation of turbulence properties via spectral broadening of Doppler reflectometry signals in ASDEX Upgrade, in 44th European Physical Society Conference on Plasma Physics (EPS 2017, Belfast) 41F, O2.107 (2017) **Oral**.

SIMON FREETHY, G D. CONWAY, A CREELY, T HAPPEL, P HENNEQUIN, J PINZON, D PRISIAZHNIUK, U STROTH, A WHITE, ASDEX UPGRADE TEAM. Validation studies of ion-scale GENE simulations in L-mode plasmas at ASDEX Upgrade. in 44th European Physical Society Conference on Plasma Physics (EPS 2017, Belfast) 41F, O4.122 (2017) **Oral**.

TIM HAPPEL, TOBIAS GOERLER, PASCALE HENNEQUIN, CARSTEN LECHTE, JAVIER PINZON, MATTHIAS BERNERT, GARRARD CONWAY, SIMON FREETHY, CYRILLE HONORE, ULRICH STROTH, ASDEX UPGRADE TEAM. Understanding of wavenumber spectra measured by Doppler reflectometry through simulation and related estimation of wave-plasma interaction regimes. 13th International Reflectometry Workshop for Fusion Plasma Diagnostics (IRW13), Daejeon (Korea) 2017. **Oral**

MEDVEDEVA ANNA, BIRKENMEIER G., BOTTEREAU C., CAVEDON M., CLAIRET F., CONWAY G. D., HENNEQUIN PASCALE, HEURAU S., MOLINA D., SILVA A., STROTH U., THE ASDEX UPGRADE TEAM.

Density profile and turbulence evolution during L-H transition studied with the Ultra-fast swept reflectometer on ASDEX Upgrade. 43rd EPS Conference on Plasma Physics. 4 - 8 July 2016. Leuven, Belgium. 40A P1.032 (2016).

PINZON JAVIER, HAPPEL T., HENNEQUIN PASCALE, BLANCO E., ESTRADA T., STROTH U. O- and X-mode Radial Correlation Doppler Reflectometry in 2D Full Wave Simulations and Experiments. 43rd EPS Conference on Plasma Physics. 4 - 8 July 2016. Leuven, Belgium. 40A P1.052 (2016).

SCHNEIDER PHILIP, BUSTOS ANDREAS, HENNEQUIN PASCALE, RYTER F., BERNERT MATTHIAS, CAVEDON MARCO. Isotope effect on confinement unraveled for L-mode in dimensionless ρ^* scan. 43rd EPS Conference on Plasma Physics. 4 - 8 July 2016. Leuven, Belgium. 40A O4.135 (2016). **Oral**

DIF-PRADALIER G., HORNUNG G., GHENDRIH PH., CLAIRET F., DIAMOND P.H., SARAZIN Y., VERMARE LAURE, ABITBOUL J., CARTIER-MICHAUD T., EHRLACHER C., EST`EVE D., GARBET X., GRANDGIRARD V., GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, KOSUGA Y., LATU G., MOREL PIERRE, NORSCINI C., SABOT R. The Plasma $E \times B$ Staircase: Turbulence Self-Regulation through Spontaneous Flow Patterning. 42nd EPS Conference on Plasma Physics. 22 - 26 June 2015. Lisbon, Portugal. 39E O4.121 (2015). **Oral**

Z. HUANG, S. CODA, G. MERLO, C.A. DE MEIJERE, J.P. GRAVES, S. BRUNNER, M. FONTANA, L. PORTE, L. VERMARE, L. VILLARD, C. WAHLBERG, J. DOMINSKI, P. HENNEQUIN, A. KRÄMER-FLECKEN. Structure and scaling of GAMs in TCV, Satellite Workshop of the 42nd EPS Plasma Physics Conference, on Electric Fields, Turbulence and Self-Organisation in Magnetized Plasmas (Lisbon) (2015), **Oral**

HAPPEL T., HETZENECKER A., MANZ P., HENNEQUIN PASCALE, RYTER F., BERNERT M., CONWAY G. D., FIETZ S., HONORÉ CYRILLE, STROTH U., VIEZZER E., The ASDEX Upgrade Team. Observation of Strongly Intermittent Density Turbulence in ASDEX Upgrade I-mode plasmas. 20th EU-US Transport Task Force meeting. April 28th-May 1st, 2015. Salem, MA, USA. (2015). **Oral**

HENNEQUIN PASCALE, SCHNEIDER PHILIP, HAPPEL T., RYTER F., BIRKENMEIER G., MEDVEDEVA A., CONWAY G. D., BOTTEREAU C., CLAIRET F., GUIMARAIS L., GÜRCAN ÖZGÜR D., HONORÉ CYRILLE, MOREL PIERRE, NIKOLAEVA V., PRISIAZHNIUK D., STROTH U., VERMARE LAURE, ASDEX UPGRADE TEAM. Turbulence spatial structure and its scaling with ρ^* . 12th International Reflectometry Workshop. 18-21 Mai 2015. Jülich, Germany. (2015). **Oral**

T. HAPPEL, A. HETZENECKER, P. MANZ, P. HENNEQUIN, F. RYTER, M. BERNERT, G. D. CONWAY, S. FIETZ, C. HONORÉ, U. STROTH, E. VIEZZER AND THE ASDEX UPGRADE TEAM, Observation of Strongly Intermittent Density Turbulence in ASDEX Upgrade I-mode plasmas. 12th International Reflectometry Workshop. 18-21 Mai 2015. Jülich, Germany. (2015). **Oral**

J.R. PINZÓN, E. BLANCO, T. HAPPEL, G.D. CONWAY, T. ESTRADA, P. HENNEQUIN, U. STROTH AND THE ASDEX UPGRADE TEAM, Modeling of Radial Correlation Doppler Reflectometry response to density turbulence wave number spectra. 12th International Reflectometry Workshop. 18-21 Mai 2015. Jülich, Germany. (2015). **Oral**

LEYBROS ROBIN, CIRAOLO G., COLIN C., HENNEQUIN PASCALE, MARANDET Y., MOREL PIERRE, TAMAIN P., VERMARE LAURE. Synthetic Doppler backscattering diagnostic for fluid turbulent simulations. Turbulence, magnetic fields and self organization in laboratory and astrophysical plasmas. March 23 - April 03, 2015. Les Houches, France. (2015). **Oral**

TSITRONE E., BOURDELLE C., BUCALOSSO J., GUIRLET R., ARTAUD J.-F., BASIUK V., BÉCOULET M., BUFFERAND H., CIRAOLO G., CORRE Y., DECKER J., DIF-PRADALIER G., DUMOND R., EKEDAHL A., FEDORCZAK N., FIRDAOUSS M., GARCIA J., GHENDRIH P., GIRUZZI G., GRISOLIA C., GROSMAN A.,

HENNEQUIN P., IMBEAUX F., MAGET P., MARANDET Y., MEYER O., MISSIRLIAN M., NARDON E., PÉGOURIÉ B., SCHNEIDER M., ZAGORSKI R., Preparing ITER Tungsten Divertor Operation in Tore Supra: Physics Basis for the WEST Project., 25th Fusion Energy Conference (FEC 2014), 13 -18 October 2014, Saint Petersburg, Russia, **CN-221 EX/P5-48** (2014)

L. PORTE, S. CODA, C. DE MEIJERE, Z. HUANG, P. HENNEQUIN, A. KRÄMER-FLECKEN, L. VERMARE, V. VUILLE, S. BRUNNER, J. DOMINSKI, F. MARGAIRAZ, G. MERLO, T. VERNAY, AND L. VILLARD. Multi-Diagnostic Study of Core Turbulence and Geodesic Acoustic Modes in the TCV Tokamak. 25th Fusion Energy Conference (FEC 2014), 13 -18 October 2014, Saint Petersburg, Russia, CN-221 EX/P3-57 (2014)

DIF-PRADALIER G., GHENDRIH PH., DIAMOND P.H., GARBET X., GRANDGIRARD V., NORSCINI C., PALERMO F., SARAZIN Y., ABITEBOUL J., DONG YUE, GÜRCAN ÖZGÜR D., HENNEQUIN PASCALE, MOREL PIERRE, VERMARE LAURE, KOSUGA Y. Spatial Propagation of Turbulence and Formation of Mesoscopic Structures in Plasma Turbulence. KITP program : Wave-Flow Interaction in Geophysics, Climate, Astrophysics and Plasmas. March 2014. KALVI Institute, Santa Barbara, California, US. (2014). **Oral**

HENNEQUIN PASCALE, HAPPEL T., SCHNEIDER P., CONWAY G. D., RYTER F., STROTH U., HONORÉ CYRILLE, VERMARE LAURE, GÜRCAN ÖZGÜR D., MOREL PIERRE. Spatial structure of turbulence and its scaling with ρ^* : observations using radial correlation Doppler reflectometry on ASDEX Upgrade. 19th Joint EU-US Transport Task Force Meeting (TTF14). 8-11th September 2014. Culham, UK. (2014). Poster

STORELLI A., VERMARE LAURE, HENNEQUIN PASCALE, DIF-PRADALIER G., GÜRCAN ÖZGÜR D., SARAZIN Y., GRANDGIRARD V., SINGH R., MOREL PIERRE, GARBET X., GHENDRIH PH., BOURDELLE C., TORE SUPRA TEAM. GAM frequency and dynamics compared between Tore Supra experiments and a GYSELA simulation. 19th EU-US Joint Transport Task Force. September 8-11. Culham, UK. (2014). Poster

LEYBROS ROBIN, BUFFERAND H., CIRAOLO G., FEDORCZAK N., GHENDRIH PH., HENNEQUIN PASCALE, MARANDET Y., SERRE E., SCHWANDER F., TAMAIN P. Investigation of drift velocity effects on the EDGE and SOL transport. 21st International Conference on Plasma Surface Interactions. 2014. Japan. (2014). Poster

HAPPEL T., CONWAY G. D., HENNEQUIN PASCALE, HONORÉ CYRILLE, GIACALONE J-C., SIMON P., STROTH U., VERMARE LAURE, THE ASDEX UPGRADE TEAM . The optimized steerable W-band Doppler reflectometer on ASDEX Upgrade: possibilities and issues. 11th International Reflectometry Workshop (IRW11). 22-24th April 2013. Palaiseau, France. (http://www.lptp.polytechnique.fr/News/11/Workshop/papers/Happel_IRW11-paper.pdf) (2013).

HUANG Z., DE MEIJERE C. A., CODA S., VERMARE L., VERNAY T., VUILLE V., BRUNNER S., HENNEQUIN P., KRAEMMER-FLECKEN A., PORTE L. Multi-diagnostic characterization of geodesic acoustic modes in the TCV tokamak. 40th EPS Conf. on Plasma Physics. 1-5/7/2013. Espoo, Finland. (P2.175) (2013).

CODA S., DE MEIJERE K., HUANG Z., VERMARE LAURE, VERNAY T., VUILLE V., BRUNNER S., DOMINSKI J., HENNEQUIN PASCALE, KRÄMER-FLECKEN A., MERLO G., PORTE L. Geodesic acoustic modes: simultaneous observation of density, magnetic-field, and flow components in the TCV tokamak. U.S.-E.U. Joint Transport Task Force Workshop. 9-12 April 2013. Santa Rosa, CA, USA. (**oral**) (2013).

HENNEQUIN PASCALE, HAPPEL T., CONWAY G. D., HONORÉ CYRILLE, VERMARE LAURE, PISAREV V., GIACALONE J-C., GÜRCAN ÖD., ASDEX UPGRADE TEAM. Radial correlation of density fluctuations by

coupling IPP and LPP W-band Doppler reflectometers on ASDEX Upgrade. 11th International Reflectometry Workshop (IRW11). 22-24th April 2013. Palaiseau, France. (oral) (2013).

STORELLI A., HENNEQUIN P., VERMARE L., GÜRCAN ÖD., TORE SUPRA TEAM. Observation of a poloidal asymmetry of fluctuation perpendicular velocity measured by Doppler backscattering on Tore Supra plasmas. 11th International Reflectometry Workshop (IRW11). 22-24th April 2013. Palaiseau, France. (oral) (2013).

VERMARE L, CODA S., HENNEQUIN P, DE MEIJERE K., HONORÉ C, GIACALONE J-C., TCV TEAM. Doppler backscattering measurements on TCV. 11th International Reflectometry Workshop (IRW11). 22-24th April 2013. Palaiseau, France. (oral) (2013).

VERMARE L, HENNEQUIN P, GURCAN ÖD., MOREL P, TORE SUPRA TEAM. Damping of Geodesic Acoustic Modes. U.S.-E.U. Joint Transport Task Force Workshop. 9-12 April 2013. Santa Rosa, CA, USA. (oral) (2013).

GÜRCAN ÖD., VERMARE L., HENNEQUIN P., BERIONNI V., DIAMOND P.H., DIF-PRADELIER G., GARBET X., GHENDRIH PH., GRANDGIRARD V., MCDEVITT C.J., MOREL P., SARAZIN Y., STORELLI A., BOURDELLE C., TORE SUPRA TEAM. Indications of Nonlocality of Plasma Turbulence. 24th Fusion Energy Conference. 8-13 October 2012. San Diego, USA. (TH-P2-12) (2012).

A. STORELLI, P. HENNEQUIN, Ö. D. GÜRCAN, L. VERMARE AND THE TORE SUPRA TEAM. *Dependence of properties of Geodesic Acoustic Modes (GAM) on SOL and edge flows in Tore Supra*. 17th Joint EU-US Transport Task Force Meeting, Padova - September 3-6, 2012.

C. FENZI, B. CHOULI, R. DUMONT, D. ELBEZE, Z. O. GUIMARÃES-FILHO, P. HENNEQUIN, P. LOTTE, P. MAGET AND THE TORE SUPRA TEAM. *RF driven rotation in Tore Supra*. 17th Joint EU-US Transport Task Force Meeting, Padova - September 3-6, 2012.

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, A. STORELLI. *Study of GAMs on Tore Supra using Doppler backscattering*. 17th Joint EU-US Transport Task Force Meeting, Padova - September 3-6, 2012. (oral)

A. SALMI, C. FENZI, J. F. ARTAUD, P. HENNEQUIN, M. SCHNEIDER, T. TALA, O. ASUNTA, V. BASIUK, P. LOTTE, Y. PEYSON. *Torque sources in Tore Supra Ohmic plasmas due to toroidal field ripple*. 17th Joint EU-US Transport Task Force Meeting, Padova - September 3-6, 2012.

P. HENNEQUIN, L. VERMARE, Ö. D. GÜRCAN, P. MOREL, A. STORELLI, C. BOURDELLE, R. DUMONT AND THE TORE SUPRA TEAM. *New regime of small scale density fluctuations in presence of electron heating in Tore Supra*. In Proc. of the 39th European Physical Society Conference & 16th Int. Congress on Plasma Physics, Stockholm, 2-6 July 2012, P1.069. ocs.ciemat.es/epsicpp2012pap/pdf/P1.069.pdf

P. TAMAIN, G. BONHOMME, F. BROCHARD, F. CLAIRET, J. GUNN, P. HENNEQUIN, G. HORNUNG, L. VERMARE, PH. GHENDRIH. *Impact of plasma transport and turbulence on particle fuelling*. 20th International Conference on Plasma Surface Interactions 2012, Aachen, Germany, 21– 25 May 2012 (oral).

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, A. STORELLI AND THE TORE SUPRA TEAM. Modulation of GAM frequency observed on Tore Supra using Doppler backscattering. US Transport Taskforce Workshop TTF 2012, Annapolis, April 10-13, 2012. (oral).

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, C. HONORÉ, C. BOURDELLE, F. CLAIRET, X. GARBET, J. C GIACALONE, R. SABOT, Y. SARAZIN, T. GOERLER AND F. JENKO. *Impact of collisionality on characteristics*

of micro-turbulence on Tore Supra. In proceedings of the 38th European Physical Society Conference on Plasma Physics (Strasbourg), 27th June-1st July 2011, O4.126 (oral)

P. HENNEQUIN, L. VERMARE, O. GÜRCAN, E. TRIER, W. ENSING, J-C. GIACCALONE, N. FEDORCZAK, J. BERNARDO*, C. FENZI, J. GUNN, *Flows and perpendicular velocity properties observed by Doppler reflectometry on Tore Supra*, 10th International Reflectometry Workshop, Padova, Italy, May, 4th - 6th 2011 (oral)

L. VERMARE, P. HENNEQUIN, O. GÜRCAN, C. HONORÉ, V. BERIONNI, C. BOURDELLE, A. CASATI, F. CLAIRET, X. GARBET, J.C GIACCALONE, R. SABOT, AND THE TORE SUPRA TEAM, *Evolution of micro-turbulence characteristics with collisionality at the tokamak core-edge interface*, Joint US-EU Transport Taskforce Workshop TTF 2011, San Diego, California, April 6-9, 2011 (oral)

P. HENNEQUIN, L. VERMARE, N. FEDORCZAK, J. BERNARDO, Ö. D. GÜRCAN, E. TRIER, N. STUYCK, C. FENZI, J. GUNN, P. MONIER-GARBET, C. BOURDELLE, P. GHENDRIH, X. GARBET. The effect of SOL flows on edge and core radial electric field and rotation in Tore Supra. 37th EPS Conference on Plasma Physics. Dublin, 21-25 juin 2010. P1.1040.

L. VERMARE, P. HENNEQUIN, Ö. D. GÜRCAN, C. BOURDELLE, F. CLAIRET, X. GARBET, R. SABOT AND THE TORE SUPRA TEAM, Impact of collisionality on fluctuation characteristics of micro-turbulence. In proceedings of 23rd IAEA Fusion Energy Conference ,11-16 October 2010, Daejeon, Korea. EX-C_P8-19

Ö. GÜRCAN, P. HENNEQUIN, L. VERMARE, A. CASATI, G. FALCHETTO, X. GARBET, C. BOURDELLE, P. DIAMOND. Dynamics of wave-number spectrum of plasma turbulence. In proceedings of 23rd IAEA Fusion Energy Conference ,11-16 October 2010, Daejeon, Korea. TH-C-P8-02.

Ö. GÜRCAN, P. HENNEQUIN, X. GARBET, P. H. DIAMOND, L. VERMARE, A. CASATI, G. FALCHETTO, *Shell Models and the possibility of application to fusion plasmas*. URSI 2010 Journées Scientifiques de Propagation et Plasmas, Paris, 16-17 mars 2010. **Oral**

L. VERMARE, P. HENNEQUIN, Ö. GÜRCAN, C. HONORE, C. BOURDELLE, T. ANIEL, F. CLAIRET, R. DUMONT, C. FENZI, R. SABOT, AND THE TORE SUPRA TEAM. *Turbulence measurements during dimensionless parameters scans on Tore Supra using Doppler reflectometry*. URSI 2010 Journées Scientifiques de Propagation et Plasmas, Paris, 16-17 mars 2010. **Oral**

E. TRIER, P. HENNEQUIN, C. FENZI, Ö. D. GÜRCAN, R. SABOT, P. MAGET, J. BUCALOSSO, X. GARBET, F. CLAIRET, L. VERMARE, C. BOURDELLE, Z.O. GUIMARAES-FILHO, G. FALCHETTO, G. HUYSMANS. *Observation of a localized radial electric field inversion in Tore Supra plasmas*. In proceedings of the 36th EPS Conf. On Plasma Physics and Contr. Fusion. Sofia, 29 june-3rd July 2009. ECA Vol.33E, P-4.206 (2009)

A. CASATI, T. GERBAUD, P. HENNEQUIN, C. BOURDELLE, J. CANDY, F. CLAIRET, X. GARBET, V. GRANDGIRARD, O. GÜRCAN, S. HEURAU, G.T. HOANG, C. HONORÉ, F. IMBEAUX, R. SABOT, Y. SARAZIN, L. VERMARE, R. WALTZ. *Turbulence in Tore Supra plasmas: measurements and validation of nonlinear simulations*. In proceedings of the 36th EPS Conf. On Plasma Physics and Contr. Fusion. Sofia, 29 june-3rd July 2009. ECA Vol.33E, O-4.040 (2009) **Oral**

L. VERMARE, C. BOURDELLE, P. HENNEQUIN, J.F. ARTAUD, V. BASIUK, F. CLAIRET, P. DEVYNCK, G. FALCHETTO, C. FENZI, F. IMBEAUX, P. MONIER-GARBET, O. GURCAN, R. SABOT, M. SCHUBERT, J.L. SEGUI AND THE TORE SUPRA TEAM. *Scaling of Turbulence and Transport on Tore Supra with dimensionless parameters ρ^* and ν^** . In proceedings of the 36th EPS Conf. On Plasma Physics and Contr. Fusion. Sofia, 29 june-3rd July 2009, ECA Vol.33E, P-4.208 (2009)

F. BROCHARD, N. FEDORCZAK, G. BONHOMME, F. CLAIRET, M. FARGE, PH. GHENDRIH, J. GUNN, P. HENNEQUIN, S. HEURAUX, N. LEMOINE, P. MONIER-GARBET, R. NGUYEN, S. OLDENBÜRGER, M. SCHUBERT, L. VERMARE. *A first comparison between probes, fast imaging, and reflectometry synchronous measurements of edge turbulence in Tore Supra*. In proceedings of the 36th EPS Conf. on Plasma Physics and Contr. Fusion. Sofia, 29 june–3rd July 2009. ECA Vol.33E, O-2.006 (2009)

Oral

X.L. ZOU, S. SONG, G. GIRUZZI, X. GARBET, C. HONORÉ, J.L. SEGUI, D. ELBEZE, F. CLAIRET, R. SABOT, J. BUCALOSSO, P. HENNEQUIN, F. BOUQUEY, M. LENNHOLM, R. MAGNE, & EQUIPE TORE SUPRA, *Heat and Particle Transport Experiments in Tore Supra and HL-2A with ECRH and SMBI*. In proceedings of the 36th EPS Conf. On Plasma Physics and Contr. Fusion. Sofia, 29 june–3rd July 2009. ECA Vol.33E, P-4.210 (2009).

P. HENNEQUIN, L. VERMARE, O. GURCAN, E. TRIER, C. HONORÉ, C. BOURDELLE, A. CASATI, R. DUMONT, G. FALCHETTO, X. GARBET, R. SABOT, F. CLAIRET AND THE TORE SUPRA TEAM, *High k spectra in Tore Supra : experiment, theory and modelling*, US Transport Task Force Meeting, 29april-1May 2009, San Diego. **Oral**

E. TRIER, P. HENNEQUIN, C. FENZI, Ö. D. GÜRCAN, R. SABOT, P. MAGET, J. BUCALOSSO, X. GARBET, F. CLAIRET, L. VERMARE, C. BOURDELLE, Z.O. GUIMARÃES-FILHO, G. FALCHETTO, G. HUYSMANS. *Observation of a localized radial electric field inversion in Tore Supra plasmas*. US Transport Task Force Meeting, 29april-1May 2009, San Diego. **Oral**.

L. VERMARE, P. HENNEQUIN, O. GURCAN, C. HONORÉ, C. BOURDELLE, T. ANIEL, F. CLAIRET, R. DUMONT, C. FENZI, R. SABOT AND THE TORE SUPRA TEAM, *Turbulence measurements during dimensionless parameters scans on Tore Supra using Doppler reflectometry*. 9th Reflectometry workshop, Lisbon, Portugal, 3-6 May 2009. **Oral**

C. FENZI, E. TRIER, T. ANIEL, C. BOURDELLE, F. CLAIRET, G. FALCHETTO, X. GARBET, C. GIL, Ö. GURCAN, P. HENNEQUIN, J. LASALLE, R. SABOT, J.-L. SEGUI, L. VERMARE AND THE TORE SUPRA TEAM, *On plasma rotation in tokamak with magnetic field ripple and no external momentum input*. US Transport Task Force Meeting, 29april-1May 2009, San Diego. **Oral**

O. GÜRCAN, X. GARBET, P. HENNEQUIN, P. DIAMOND, A. CASATI, G. FALCHETTO. *Cascade models in plasma turbulence: The role of sheared flows*. Oxford, 14-16 september 2009.

L. VERMARE, P. HENNEQUIN, O. GURCAN, C. HONORÉ, R. SABOT, J-C GIACALONE AND THE TORE SUPRA TEAM, *Long range correlation studies: Tore Supra contribution, DREVE project*, 2nd EFDA Transport Topical Group Meeting, JET, Culham, 14-16 september 2009.

C. FENZI, E. TRIER, P. HENNEQUIN, C. BOURDELLE, L.G. ERIKSSON, G. FALCHETTO, X. GARBET, O. GÜRCAN. *On intrinsic plasma rotation in tokamak with magnetic field ripple*. Transport Taskforce Workshop, 14-16 september 2009.

Y. SARAZIN, V. GRANDGIRARD, P. ANGELINO, A. CASATI, G. DIF-PRADALIER, X. GARBET, PH. GHENDRIH, O. CÜRCAN, P. HENNEQUIN, R. SABOT. *Turbulence spectra and transport barriers in gyrokinetic simulations*. Varenna. Joint Varenna-Lausanne International Workshop on Theory of Fusion Plasmas, august 25-29, 2008 Varenna. AIP conference proceedings, Volume: 1069, 325 (2008) **Oral**

E. TRIER, P. HENNEQUIN, L.G. ERIKSSON, C. FENZI, C. BOURDELLE, G. FALCHETTO, X. GARBET, T. ANIEL, F. CLAIRET, R. SABOT. *Direct measurement of the radial electric field in a tokamak with magnetic field ripple*. 13th EU US Transport Task Force Workshop Sept. 1 – 4, 2008 Copenhagen (2008).

http://risoe-forms.risoe.dk/Transport_Task_Force/abstracts/Topic_2_Core_edge-Mom/Trier_ripple_Abs_TTF_08.pdf

A. CASATI, T. GERBAUD, P. HENNEQUIN, C. BOURDELLE, G. FALCHETTO, X. GARBET, V. GRANDGIRARD, F. IMBEAUX, M. OTTAVIANI, Y. SARAZIN, L. VERMARE. *Turbulence measurements and comparison with nonlinear simulations*. 13th EU US Transport Task Force Workshop, Sept. 1 – 4, 2008 Copenhagen (2008). **Oral**.

http://risoe-forms.risoe.dk/Transport_Task_Force/Abstracts/Topic_1_Core_HP/Casati_1EU-US_TTF08_or.pdf

L. VERMARE, C. BOURDELLE, T. GERBAUD, A. SIRINELLI, F. IMBEAUX, P. HENNEQUIN. *Scaling of turbulence and transport on Tore Supra with dimensionless parameters B , p^* and v^** . 13th EU US Transport Task Force Workshop Sept. 1 – 4, 2008 Copenhagen (2008). http://risoe-forms.risoe.dk/Transport_Task_Force/abstracts/Topic_1_Core_HP/Vermare_Abs_TTF2008.pdf

E. TRIER, P. HENNEQUIN, L.G. ERIKSSON, C. FENZI, C. BOURDELLE, G. FALCHETTO, X. GARBET, T. ANIEL, F. CLAIRET, R. SABOT. *Direct measurement of the radial electric field in a tokamak with magnetic field ripple*. 35th EPS Conference on Plasma Phys. Hersonissos, 9 - 13 June 2008 ECA Vol. **32D**, P-1.022 (2008)

A. CASATI, C. BOURDELLE, X. GARBET, F. IMBEAUX, J. CANDY, F. CLAIRET, G. DIF-PRADALIER, G. FALCHETTO, T. GERBAUD, V. GRANDGIRARD, P. HENNEQUIN, R. SABOT, Y. SARAZIN, R. WALTZ, *Towards an improved first principle based transport model*. In proceedings of the 35th EPS Conference on Plasma Phys. Hersonissos, 9 - 13 June 2008 ECA Vol. **32D**, P-1.017 (2008).

C. MORIZE, P. HENNEQUIN, G. CIRAULO, PH. GHENDRIH3, X. GARBET, Y. SARAZIN, P. TAMAIN. *Eulerian and Lagrangian statistical analysis of SOL turbulent transport*. 35th EPS Conference on Plasma Phys. Hersonissos, 9 - 13 June 2008 ECA Vol. **32D**, P-1.020 (2008)

T. GERBAUD, C. BOURDELLE, L. VERMARE, T. ANIEL, A. CASATI, F. CLAIRET, G. FALCHETTO, C. FENZI-BONIZEC, X. GARBET, P. HENNEQUIN, S. HEURAU, F. IMBEAUX. *Dependance of turbulence on collisionality in Tore Supra*. 35th EPS Conference on Plasma Phys. Hersonissos, 9 - 13 June 2008 ECA Vol. **32D**, P-1.044 (2008)

C. BOURDELLE, A. CASATI, X. GARBET, F. IMBEAUX, J. CANDY, F. CLAIRET, G. DIF-PRADALIER, G. FALCHETTO, T. GERBAUD, V. GRANDGIRARD, P. HENNEQUIN, R. SABOT, Y. SARAZIN, L. VERMARE, R. WALTZ. *Validity of Quasi-Linear Transport Model*. 22nd IAEA Fusion Energy Conference 13-18 October 2008. IAEA Vienna CN165, TH-P8-7,

PH. GHENDRIH, P. TAMAIN, G. CHIAVASSA, G. CIRAULO, N. FEDORCZAK, X. GARBET, V. GRANGIRARD, J. GUNN, P. HALDENWANG, P. HENNEQUIN, L. ISOARDI, P. MONIER-GARBET, C. MORIZE, Y. SARAZIN, F. SCHWANDER, E. SERRE. *Turbulence and Flow Interplay in the Tokamak Edge Plasma*. 22nd IAEA Fusion Energy Conference 13-18 October 2008. IAEA Vienna CN165, TH-P4-2

P. HENNEQUIN, C. HONORE, A. TRUC, E. TRIER, C. MORIZE, A. QUEMENEUR, R. SABOT, X. GARBET, A. SIRINELLI, L. VERMARE. *Turbulence frequency and wave-number spectra observed in Tore Supra by Doppler Reflectometry*, 8th International Reflectometry Workshop for fusion plasma diagnostics, 1-4 May 2007, St-Petersburg. **Oral**.

P. HENNEQUIN, A. SIRINELLI, R. SABOT, F. CLAIRET, S. HEURAU, D. ELBÈZE, F. IMBEAUX, G.T. HOANG, C. HONORÉ, X. GARBET, G. FALCHETTO, T. ANIEL, C. BOURDELLE, C. FENZI, C. GIL, J.-L. SÉGUI, A. TRUC, A. QUÉMÉNEUR. *Major progress in high spatial and spectral resolution of reflectometry in Tore Supra: density peaking and fluctuation measurements*. 21^{ème} conférence IAEA Fusion, 16-21

octobre 2006, Chengdu (Chine). EX-P4-36,

S. HEURAU, F. CLAIRET, T. GERBAUD, P. HENNEQUIN, C. HONORÉ, G. LECLERT, R. SABOT, F. DA SILVA, A. SIRINELLI, L. VERMARE. The Reflectometry For Measuring Density Fluctuations In Magnetized Plasmas. *13th International Congress on Plasma Physics*, Kiev, May 22-26, 2006. <http://icpp2006.kiev.ua/CD/B/B004o.pdf>

A. SIRINELLI, R. SABOT, P. HENNEQUIN, D. ELBÈZE, F. IMBEAUX, X. GARBET, G. FALCHETTO, T. ANIEL, C. BOURDELLE, F. CLAIRET, C. FENZI, J.-C. GIACALONE, C. GIL, J.-L. SÉGUI. *33rd European Physical Society Conference on Plasma Physics and Controlled Fusion*. Rome, 19-22 Juin 2006, P5.101.

F. RIMINI, C. GIL, C. FENZI-BONIZEC, P. HENNEQUIN, G.T. HOANG, C. BOURDELLE, F. CLAIRET, D. ELBEZE, G. GIRUZZI, C. HONORÉ, F. IMBEAUX, E. JOFFRIN, PH. LOTTE, P. MAGET, B. SCHUNKE, E. TSITRONE. High Power ICRH scenarios in Tore-Supra : a potential route towards improved core confinement at high density. *32nd EPS Conference on Controlled Fusion and Plasma Physics*, Tarragona, (2005)

R. SABOT, F. CLAIRET, P. HENNEQUIN, S. HEURAU, A. SIRINELLI, L. VERMARE, J.M CHAREAU, J.C. GIACCALONE, C. HONORÉ, G. LECLERT, D. MOLINA, J.L. SÉGUI, A. TRUC, F. DA SILVA, E. MANSO. In Proc. of the 20th IAEA Fusion Energy Conference, 1 - 6 November 2004, Vilamoura, Portugal . IAEA Vienna EX/P6-25.

HEURAU S., SABOT R., DA SILVA F., SIRINELLI A., BLANCO E., CLAIRET F., HENNEQUIN P., LECLERT G., VERMARE L. On non-zero space average density perturbation effects in tokamak plasma reflectometer signals. *12th International Congress on Plasma Physics*, 25-29 October 2004, Nice (France).

R. SABOT, J-M CHAREAU, F CLAIRET, P. HENNEQUIN, S. HEUREAUX, C. HONORE, G. LECLERT, A. SIRINELLI. "Advances of reflectometry on Tore Supra", Proc. of the 11th Laser Aided Plasma Diagnostics Conference, sept 2003 (Les Houches, France).

[Towards fully non-inductive current drive operation in JET](#) ITPA Transport and ITB Physics workshop (2002) X. Litaudon, F. Crisanti, J. Mailloux, D. Mazon, Y. Baranov, A. Becoulet, M. Becoulet, C. Challis, R. Dux, B. Esposito, N. Hawkes, P. Hennequin, F. Imbeaux, E. Joffrin, Ph. Lotte, D. Moreau, G. Tresset, X. The jet-efda team

[Edge fast magnetic measurements during ELMs of different types on JET](#) IAEA/TCM on Divertor Concepts (2001) M. Becoulet, A. Loarte, G. Saibene, R. Sartori, B. Alper, G. Matthews, S. Sharapov, P. Hennequin, Ph. Ghendrih, G. Huysmans

P. HENNEQUIN, T.C HENDER, B. ALPER, C.D CHALLIS, T. HELLSTEN, D.F. HOWELL, G.T.A HUYSMANS, X. LITAUDON, P. LOTTE, P. MAGET, J. MANICKAM, D. MAZON, F. NAVE ET A. POCHELON, "MHD performance limits in JET Optimised Shear Discharges", *28th EPS Controlled Fusion Plasma Physics, Madeira*, June 2001, 25B, 2.022 (2001).

T. HELLSTEN, P. HENNEQUIN, T. JOHNSON, B. ALPER, YU. F. BARANOV, A. BECOULET, C. CHALLIS, E. JOFFRIN, T. C. HENDER, D. MAZON, M. MANTSINEN, E. RACHLEW ET K.D. ZASTROW, "Sawtooth in reversed shear plasmas" , *28th EPS Controlled Fusion Plasma Physics, Madeira*, June 2001, ECA, 25B, 2.024 (2001)

X. LITAUDON, F. CRISANTI, J. MAILLOUX, YU BARANOV, A. BÉCOULET, M. BÉCOULET, C.D. CHALLIS, G.D. CONWAY, B. ESPOSITO, D. FRIGIONE, C. GIROUD, N. HAWKES, P. HENNEQUIN, G. HUYSMANS, F. IMBEAUX, E. JOFFRIN, PH. LOTTE, P. MAGET, M. MANTSINEN, D. MAZON, D. MOREAU, Y. SARAZIN, G. TRESSET ET

K.D. ZASTROW, "Towards full current drive operation in JET", 28th EPS Controlled Fusion Plasma Physics, Madeira, June 2001, ECA, 25B, Or22 (2001).

A. LOARTE, M. BECOULET, G. SAIBENE, R. SARTORI, B. ALPER, P.J. LOMAS, W. SUTTROP, S. JACHMICH, T. EICH, P. HENNEQUIN, A. KALLENBACH, G. MATTHEWS. "Type I ELMs Energy and Particle losses in JET ELMy H-mode. Proc. 28th EPS Conference on Controlled Fusion and Plasma Physics, Madeira, June 2001.

G. SAIBENE, P.J. LOMAS, M. BÉCOULET, R. SARTORI, A. LOARTE, R. BUDNY, V. PARAIL, K.D. ZASTROW, M. VON HELLERMANN, M. BEURSKENS, Y. ANDREW, A. KALLENBACH, P. HENNEQUIN, W. SUTTROP, J. STOBER, S. SHARAPOV, M. ZERBINI "The effect of plasma shape on density and confinement of elmy H-modes in JET", Proc. 28th EPS Conference on Controlled Fusion and Plasma Physics, Madeira, June 2001. Rapport LPTP 4037.

HONORÉ C., HENNEQUIN P., GERVAIS F., QUÉMÉNEUR A., TRUC A., SABOT R., FENZI C., GARBET X., GHENDRIH P., Edge Plasma Turbulence for Various Density Regimes, *EPS 27th Conference on Controlled Fusion and Plasma Physics, Budapest, Hongrie, 12-16 Juin 2000 (PMI 3902)*.

P. HENNEQUIN, C. HONORE, A. QUEMENEUR, A. TRUC, F. GERVAIS, C. FENZI, R. SABOT. Analysis of density fluctuation frequency spectra as a tool for studying plasma motion and transport properties. Proc. 26th EPS Conference on controlled fusion and plasma physics, Maastricht, Pays-Bas (Juin 1999), P3-006, p. 977.

C. FENZI, X. GARBET, A. TRUC, H. CAPES, G. ANTAR, F. GERVAIS, P. HENNEQUIN, C. LAVIRON, A. QUEMENEUR. Characterisation of up-down Asymmetries of Density Fluctuations induced by a lower modular limiter in Tore Supra. Proc. 26th EPS Conference on controlled fusion and plasma physics, Maastricht, Pays-Bas, (P3-002), Juin 1999.

C. HONORÉ, R. SABOT, P. HENNEQUIN, F. GERVAIS, A. QUÉMÉNEUR, A. TRUC, G. ANTAR, P. DEVYNCK, C. FENZI, X. GARBET, C. LAVIRON, Small Scales Density Fluctuations in Tore Supra: rupture in scaling law. (PMI 3571). In *Proc. 25th EPS Conf. on Controlled Fusion and Plasma Physics, Prague* (Juin 1998), vol **22C**, 647.

X.L. ZOU, M. ERBA, A. GERAUD, P. GOMEZ, M. MATTIOLI, J.L. SEGUI, F. CLAIRET, C. DE MICHELIS, P. DEVYNCK, T. DUDOK DE WIT, C. FENZI, X. GARBET, C. GIL, P. HENNEQUIN, F. IMBEAUX, E. JOFFRIN, G. LECLERT, A.L. PECQUET, Y. PEYSSON, R. SABOT, T.F. SEAK. Edge cooling experiments and non local transport phenomena in Tore Supra.. In *Proc of the 25th EPS Conf.on Controlled Fusion and Plasma Physics, (1998)*.

C. FENZI, C. LAVIRON, A. TRUC, P. DEVYNCK, F. GERVAIS, P. HENNEQUIN, A. QUÉMÉNEUR, Analysis of up-down Poloidal Asymmetries of Density Fluctuations in Tore Supra. (PMI 3449). In *Proc. 24th EPS Conf. on Controlled Fusion and Plasma Physics, Berchtesgaden, June 1997*. Vol. **21A**, Part I, 181.

F. CLAIRET, P. DEVYNCK, C. LAVIRON, P. MOREAU, M. PEAUME, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, Local Density Fluctuation Dependencies in Tore Supra Tokamak L mode Plasmas . (PMI 3159, EUR-CEA-FC N°1559, 48), In *Proc. 1995 Int. Workshop on Transport, Chaos and Plasma Phys.*, Marseille, France, July 1995.

P. HENNEQUIN, F. GERVAIS, A. QUEMENEUR, A. TRUC, P. DEVYNCK, C. LAVIRON, A.L. PECQUET, Spatial Localization of Turbulence during the Sawtooth Crash, (PMI 3121). In *Proc. 22nd EPS Conf. on Controlled Fusion and Plasma Physics, Bournemouth, July 1995, Conf. invited*.

F. CLAIRET, L. COLAS, P. DEVYNCK, X. GARBET, F. GERVAIS, D. GRESILLON, L. GUIZIOU, P. HENNEQUIN, G.T. HOANG, C. LAVIRON, P. MOREAU, M. PEAUME, A. QUEMENEUR, A. TRUC, AND X.L. ZOU. Investigation of Magnetic and Density Fluctuations in Tore Supra during Additional Heating (PMI 3122). In *Proc. 22nd EPS Conf. on Controlled Fusion and Plasma Physics*, Bournemouth, July 1995, Vol. **19C**, Part IV, 101.

cF. GERVAIS, D. GRESILLON, P. HENNEQUIN, O. MENICOT, A. QUEMENEUR, A. TRUC, P. DEVYNCK, X. GARBET, C. LAVIRON, R. GAILLARD, G.T. HOANG, Turbulent Transport Coefficient in Tore Supra: Instant Measurements by Collective Light Scattering (PMI 2914). In *Proc. 21st EPS Conf. on Controlled Fusion and Plasma Physics*, Montpellier, France, June 1994, Editors E. Joffrin, P. Platz, P.E. Stott, Part I, Vol. **18B**, 118.

J. PAYAN, X. GARBET, F. CLAIRET, P. DEVYNCK, C. LAVIRON, P. GHENDRIH, A. GROSMAN, J.Y. PASCAL, W.R. HESS, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, Edge Turbulence and Transport Studies with Ergodic Divertor, on Tore Supra Ohmic Discharges, (PMI 2913). In *Proc. 21st Conf. on Controlled Fusion and Plasma Physics*, Montpellier, June 1994, Editors E. Joffrin, P. Platz, P.E. Stott, Part II, Vol. **18B**, 862.

P. DEVYNCK, X. GARBET, C. LAVIRON, J. PAYAN, J. DE HAAS, F. CLAIRET, M. TALVARD, F. GERVAIS, D. GRESILLON, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, Correlation between density fluctuations and plasma gradients at the edge of the Tore Supra tokamak (PMI 2846). In *Proc. of Int. Workshop "Local Transport Studies in Fusion Plasmas"*, Varenna, Italie, Aug. 1993. J. D Callen, E. Sindoni, editors (1993), page 229.

F. GERVAIS, D. GRESILLON, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, P. DEVYNCK, X. GARBET, C. LAVIRON, J. PAYAN, A. PECQUET, Density Fluctuations Associated with the Internal Disruption (PMI 2730). In *Proc. 20th Conf. on Controlled Fusion and Plasma Physics*, Lisbonne, July 1993. Vol. **17C**, Part I, 223.

M. A. DUBOIS, P. HENNEQUIN, R. NAKACH, AND R. SABOT. Considerations on the effect of the separatrix shape on large scale stochasticity threshold (PMI 2836). In *Proc. of 1993 International Workshop: Transport, Chaos and Plasma Physics*, July 1993, S. Benkadda and Y. Elskens, editors, IMT Marseille (France), page 91(1994).

D. GRESILLON, B. CABRIT, A. TRUC, P. HENNEQUIN, C. LAVIRON, F. GERVAIS, A. QUEMENEUR, X. GARBET, P. DEVYNCK, J. PAYAN. Direct plasma diffusion coefficient measurement by collective light scattering (PMI 2775). In *Proc. of 1993 International Workshop: Transport, Chaos and Plasma Physics*, July 1993. S. Benkadda and Y. Elskens, editors, IMT Marseille (France), (1994).

C. LAVIRON, J. PAYAN, X. GARBET, P. DEVYNCK, A. TRUC, P. HENNEQUIN, A. QUEMENEUR, F. GERVAIS, D. GRESILLON, Edge Turbulence with the Ergodic Divertor on Tore Supra (PMI 2785), In *Proc. 9th IAEA Workshop on Stellerators*, Garching, Allemagne, May 10-14 1993.

M.A. DUBOIS, P. HENNEQUIN, R. NAKACH, R. SABOT. Internal Disruption: Catastrophic Ergodisation. (PMI 2573). *International Conference on Plasma Physics*, Innsbruck, July 1992. Volume **16C** Part II, 1409.

X. GARBET, C. LAVIRON, P. DEVYNCK, J. PAYAN, S.K. SAHA, H. CAPES, X.P. CHEN, J.P. COULON, G. HARRIS, A.L. PECQUET, F. GERVAIS, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, Transport and Turbulence in Tore Supra Ohmic Discharges. In *Proc. 1992 Int. Conf. on Plasma Physics*, Innsbruck, July 1992, Vol. **16C**, I, 107 (1992).

F. GERVAIS, D. GRESILLON, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, P. DEVYNCK, X. GARBET, C. LAVIRON, J. PAYAN, S.K. SAHA, Fluctuations Spectra in Tore Supra from Scattering Experiment, (PMI 2558). In *Proc. of the 1992 Int. Conf. on Plasma Physics*, Innsbruck, July 1992, Vol. **16C**, II, 1079 (1992).

P. HENNEQUIN, M. A. DUBOIS, R. SABOT, AND R. NAKACH. Onset of field lines stochasticity as a mechanism for the Internal Disruption. (PMI 2573). In *Proc. of 1992 International Cargèse Workshop: Magnetic Turbulence and Transport in plasmas*, Cargèse (France), July 1992, P. Hennequin and M. A. Dubois, editors, Editions de Physique (1993). page 149.

D. GRESILLON, B. CABRIT, A. TRUC, P. HENNEQUIN, C. LAVIRON, F. GERVAIS, A. QUEMENEUR, X. GARBET, P. DEVYNCK, J. PAYAN. Direct Cross-B plasma transport measurement by collective light scattering. (PMI 2764), In *Proc. of 1992 International Cargèse Workshop on: Magnetic Turbulence and Transport in plasmas*, Cargèse (France), July 1992, P. Hennequin and M. A. Dubois, editors, Editions de Physique (1993). page 117.

C. LAVIRON, P. DEVYNCK, X. GARBET, J. PAYAN, S.K. SAHA, A. TRUC, A. QUEMENEUR, P. HENNEQUIN, D. GRESILLON, F. GERVAIS, Spatial Resolution with a CO₂ Laser Scattering Experiment on Tore Supra, (PMI 2470). *5th Int. Symp. on Laser-Aided Plasma Diagnostics*, Bad Honnef, Aug. 1991.

C. LAVIRON, X. GARBET, S.K. SAHA, A. TRUC, P. DEVYNCK, A. QUEMENEUR, P. HENNEQUIN, D. GRESILLON, F. GERVAIS, Density Fluctuations Profiles on Tore Supra, (PMI 2401). In *Proc. 18th EPS Conf. on Controlled Fusion and Plasma Physics*, Berlin, June 1991, Vol. **15C**, IV, 337 (1991).

C. LAVIRON, X. GARBET, J. OLIVAIN, A. TRUC, A. QUEMENEUR, P. HENNEQUIN, D. GRESILLON, F. GERVAIS, First Density Fluctuations Studies by CO₂ Scattering in Tore Supra, (PMI 2285). In *Proc. 17th Conf. on Controlled Fusion and Plasma Physics*, Amsterdam, June 1990, Vol. **14B**, IV, 1588 (1990).

P. HENNEQUIN, F. GERVAIS, D. GRESILLON, A. QUEMENEUR, A. TRUC, X. GARBET, C. LAVIRON, J. OLIVAIN. ALTAIR, a new diagnostic for measuring density fluctuations in TORE SUPRA. Three days Workshop on Electrostatic Turbulence, Cadarache, France, Oct 1989, Rapp. EUR-CEA-FC-1381, 121, (1989).

F. GERVAIS, D. GRESILLON, P. HENNEQUIN, A. QUEMENEUR, A. TRUC, X. GARBET, C. LAVIRON, J. OLIVAIN. Overview of recent experimental results of scattering experiment in TFR. Three days Workshop on Electrostatic Turbulence, Cadarache, France, Oct 1989, Rapp. EUR-CEA-FC-1381, 97 (1989).

Chapitre d'ouvrage de vulgarisation

HENNEQUIN PASCALE. Fusion par confinement magnétique, le projet ITER. L'énergie à découvert. <http://www.cnrseditions.fr/Physique--Chimie/6710-l-energie-a-decouvert-sous-la-direction-de-remy-mosseri-et-catherine-jeandel.html>. CNRS Editions. (ISBN : 978-2-271-07678-6) p 127 (2013).

Éditeur scientifique : Rémy Mosseri et Catherine Jeandel