

PEER REVIEWED JOURNAL ARTICLES

1. L. Horvath, C.F. Maggi, A. Chankin, S. Saarelma, A.R. Field, S. Aleiferis, E. Belonohy, A. Boboc, G. Corrigan, E.G. Delabie, J. Flanagan, L. Frassinetti, C. Giroud, D. Harting, D. Keeling, D. King, M. Maslov, G.F. Matthews, S. Menmuir, S.A. Silburn, J. Simpson, A.C.C. Sips, H. Weisen, K.J. Gibson and JET Contributors, Isotope dependence of the type I ELMY H-mode pedestal in JET-ILW Hydrogen and Deuterium plasmas. *Nuclear Fusion*, 61 [046015](#), 2021
2. A.R. Field, S. Aleiferis, E. Belonohy, P. Carvalho, I. Coffey, D. Frigione, and L. Garzotti, L. Horvath, Hyun-Tae Kim, M. Lennholm, E. Lerche, P. Lomas, C.G. Lowry, J. Mailloux, F. Rimini, C.M. Roach, M. Sertoli, Z. Stancar, G. Szepesi, D. van Eester and JET Contributors, The impact of fuelling and W radiation on the performance of high-power, ITER-baseline scenario plasmas in JET-ILW. *Plasma Physics and Controlled Fusion*, 63 [095013](#), 2021
3. J. Simpson, D. Moulton, C. Giroud, F. Casson, M. Groth, A. Chankin, L. Horvath, D.S. Gahle, L. Garzotti, G. Corrigan, F. Kochl and JET Contributors, An examination of the Neutral Penetration Model 1/ne,ped scaling for its validity of spatially varying neutral sources, *Nuclear Materials and Energy*, 28 [101037](#), 2021
4. H. Weisen, C. F. Maggi, M. Oberparleiter, F. J. Casson, Y. Camenen, S. Menmuir, L. Horvath, F. Auriemma, T. W. Bache, N. Bonanomi, A. Chankin, E. Delabie, L. Frassinetti, J. Garcia, C. Giroud, D. King, R. Lorenzini, M. Marin, P. A. Schneider, P. Siren, J. Varje and E. Viezzer, Isotope dependence of energy, momentum and particle confinement in tokamaks. *Journal of Plasma Physics*, 86(5) [905860501](#), 2020.
5. D.B. King, E. Viezzer, I. Balboa, M. Baruzzo, E. Belonohy, J. Buchanan, I.S. Carvalho, K. Cave-Ayland, C.D. Challis, I. Coffey, E.G. Delabie, L. Garzotti, S. Hall, J.C. Hillesheim, L. Horvath, E. Joffrin, D. Keeling, K. Kirov, C.F. Maggi, M. Maslov, S. Saarelma, S. Silburn, E.R. Solano, D. Valcarcel and JET contributors, Mixed hydrogen-deuterium plasmas on JET-ILW. *Nuclear Fusion*, 60 [096030](#), 2020.
6. A.R. Field, C.D. Challis, J. M. Fontdecaba, L. Frassinetti, L. Horvath, Hyun-Tae Kim, C.F. Maggi, C.M. Roach, S. Saarelma, M. Sertoli, G. Szepesi and JET contributors, The dependence of exhaust power components on edge gradients in JET-C and JET-ILW H-mode plasmas. *Plasma Physics and Controlled Fusion*, 62 [055010](#), 2020.
7. S. Saarelma, L. Frassinetti, P. Bilkova, C. D. Challis, A. Chankin, R. Fridström, L. Garzotti, L. Horvath, C. F. Maggi and JET Contributors, Self-consistent pedestal prediction for JET-ILW in preparation of the DT campaign. *Physics of Plasmas*, 26 [072501](#), 2019.
8. C.F. Maggi, H. Weisen, F.J. Casson, F. Auriemma, R. Lorenzini, H. Nordman, E. Delabie, F. Eriksson, J. Flanagan, D. Keeling, D. King, L. Horvath, S. Menmuir, A. Salmi, G. Sips, T. Tala, I. Voitsekhovich and JET Contributors, Isotope identity experiments in JET-ILW with H and D L-mode plasmas. *Nuclear Fusion*, 59 [076028](#), 2019.
9. L. Frassinetti, M.G. Dunne, U. Sheikh, S. Saarelma, C.M. Roach, E. Stefanikova, C. Maggi, L. Horvath, S. Pamela, E. de la Luna, E. Wolfrum, M. Bernert, P. Blanchard, B. Labit, A. Merle, L. Guimarais, S. Coda, H. Meyer, J.C. Hillesheim, the ASDEX Upgrade Team, JET Contributors, the TCV Team and the EUROfusion MST1 Team, Role of the pedestal position on the pedestal performance in AUG, JET-ILW and TCV and implications for ITER. *Nuclear Fusion*, 59 [076038](#), 2019.
10. C. Perez von Thun, L. Frassinetti, L. Horvath, S. Saarelma, L. Meneses, E. de la Luna, M. Beurskens, J. Boom, J. Flanagan, J.C. Hillesheim, C.F. Maggi, S.J.P. Pamela, E.R. Solano and JET Contributors, Long-lived coupled peeling ballooning modes preceding ELMs on JET. *Nuclear Fusion*, 59 [056004](#), 2019.
11. L. Horvath, C.F. Maggi, F.J. Casson, V. Parail, L. Frassinetti, F. Koechl, S. Saarelma, M.G. Dunne, K.J. Gibson and JET Contributors, Inter-ELM evolution of the edge current density in JET-ILW type I ELMY H-mode plasmas. *Plasma Physics and Controlled Fusion*, 60 [085003](#), 2018.

12. C.F. Maggi, H. Weisen, J.C. Hillesheim, A. Chankin, E. Delabie, **L. Horvath**, F. Auriemma, I.S. Carvalho, G. Corrigan, J. Flanagan, L. Garzotti, D. Keeling, D. King, E. Lerche, R. Lorenzini, M. Maslov, S. Menmuir, S. Saarelma, A.C.C. Sips, E.R. Solano, E. Belonohy, F.J. Casson, C. Challis, C. Giroud, V. Parail, C. Silva, M. Valisa, JET Contributors, Isotope effects on L-H threshold and confinement in tokamak plasmas. *Plasma Physics and Controlled Fusion*, 60 **014045**, 2018.
13. C. Bowman, D. Dickinson, **L. Horvath**, A.E. Lunniss, H.R. Wilson, I. Cziegler, L. Frassinetti, K. Gibson, A. Kirk, B. Lipschultz, C.F. Maggi, C.M. Roach, S. Saarelma, P.B. Snyder, A. Thornton, A. Wynn and JET Contributors, Pedestal evolution physics in low triangularity JET tokamak discharges with ITER-like wall. *Nuclear Fusion*, 58 **016021**, 2018.
14. C.F. Maggi, L. Frassinetti, **L. Horvath**, A. Lunniss, S. Saarelma, H. Wilson, J. Flanagan, M. Leyland, I. Lupelli, S. Pamela, H. Urano, L. Garzotti, E. Lerche, I. Nunes, F. Rimini and JET Contributors, Studies of the pedestal structure and inter-ELM pedestal evolution in JET with the ITER-like wall. *Nuclear Fusion*, 57 **116012**, 2017.
15. F. Mink, E. Wolfrum, M. Maraschek, H. Zohm, **L. Horvath**, F.M. Laggner, P. Manz, E. Viezzier, U. Stroth and the ASDEX Upgrade Team, Experimental investigation of toroidal mode number determination of ELM associated phenomena on ASDEX Upgrade. *Plasma Physics and Controlled Fusion*, 58 **125013**, 2016.
16. **L. Horvath**, G. Papp, Ph. Lauber, G. Por, A. Gude, V. Igochine, B. Geiger, M. Maraschek, L. Guimarais, V. Nikolaeva, G. I. Pokol and the ASDEX Upgrade Team, Experimental investigation of the radial structure of energetic particle driven modes. *Nuclear Fusion*, 56 **112003**, 2016.
17. **L. Horvath**, P. Zs. Poloskei, G. Papp, M. Maraschek, K.H. Schuhbeck, G. I. Pokol, the EUROfusion MST1 Team and the ASDEX Upgrade Team, Reducing systematic errors in time-frequency resolved mode number analysis. *Plasma Physics and Controlled Fusion*, 57 **125005**, 2015.
18. M. Sertoli, **L. Horvath**, G. I. Pokol, V. Igochine, L. Barrera and the ASDEX Upgrade Team. Characterization of saturated MHD instabilities through 2D electron temperature profile reconstruction from 1D ECE measurements. *Nuclear Fusion*, 53 **053015**, 2013.
19. G. Papp, G. I. Pokol, G. Por, A. Magyarkuti, N. Lazányi, **L. Horvath**, V. Igochine, M. Maraschek and ASDEX Upgrade Team. Low frequency sawtooth precursor activity in ASDEX Upgrade. *Plasma Physics and Controlled Fusion*, 53 **065007**, 2011.

PAPERS IN PROGRESS

1. **L. Horvath**, M. Maslov, P.A. Schneider, L. Frassinetti, B. Lomanowski, C.F. Maggi, R.B. Morales, D. Nina, S. Saarelma, J. Simpson, D.I. Refy, M. Brix, T. Pereira, M. Vecsei, JET Contributors, Experimental analysis of ELM and inter-ELM particle transport in JET-ILW pedestals, in preparation
2. P. A. Schneider, C. Angioni, L. Frassinetti, **L. Horvath**, M. Maslov, F. Auriemma, N. Bonanomi, V. Bobkov, M. Cavedon, C.D. Challis, P. David, E. Delabie, M.G. Dunne, R. Fisher, J.M. Fontdeaba 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, A. Thorman, A.C.C. Sips, M. Weiland, M. Willensdorfer, the ASDEX Upgrade Team, the EUROfusion MST1 Team and JET Contributors, The dependence of confinement on the isotope mass in the core and the edge of AUG and JET H-Mode plasmas, submitted to Nuclear Fusion, 2021
3. L. Frassinetti, C. Perez von Thun, B. Chapman, A. Fil, J.C. Hillesheim, **L. Horvath**, G.T.A. Huijsmans, H. Nystrom, V. Parail, S. Saarelma, B. Viola, R. Bianchetti Morales, M. Dunne, A.R. Field, J. Flanagan, J.M. Fontdecaba, D. Hatch, B. Lomanowski, C.F. Maggi, S. Menmuir, S. Pamela, C. Roach, E. Rachlew, E.R. Solano and JET contributors, Role of the separatrix density in the pedestal performance in JET-ILW and JET-C, submitted to Nuclear Fusion, 2021
4. T. Tala, A. Salmi, E.R. Solano, I.S. Carvalho, J. Citrin, A. Chomiczewska, E. Delabie, F. Eriksson, J. Ferreira, E. Fransson, **L. Horvath**, P. Jacquet, D. King, A. Kirjasuo, S. Leerink, E. Lerche, C.F. Maggi, P. Mantica, A. Mariani, M. Marin, M. Maslov, S. Menmuir, R.B. Morales, V. Naulin, M.F.F. Nave, H. Nordman, C. Perez von Thun, P.A. Scheider, M. Sertoli, K. Tanaka and JET contributors, Comparison of particle transport and confinement properties between the ICRH and NBI heated dimensionless identity plasmas on JET, submitted to Nuclear Fusion, 2021

PROCEEDINGS

1. C.F. Maggi, F. Auriemma, **L. Horvath**, F. Casson, H. Nordman, H. Weisen, E. Delabie, F. Eriksson, J. Flanagan, D. Keeling, D. King, R. Lorenzini, M. Maslov, S. Menmuir, A. Salmi, P.A. Schneider, M. Sertoli, A.C.C. Sips, G. Szepesi, T. Tala and JET Contributors, Isotope identity experiments in JET with ITER-like wall. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/6-1](#), 2021
2. P. A. Schneider, C. Angioni, L. Frassinetti, **L. Horvath**, M. Maslov, F. Auriemma, N. Bonanomi, V. Bobkov, M. Cavedon, C.D. Challis, P. David, E. Delabie, M.G. Dunne, R. Fisher, J.M. Fontdeaba 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, A. Thorman, A.C.C. Sips, M. Weiland, M. Willensdorfer, the ASDEX Upgrade Team, the EUROfusion MST1 Team and JET Contributors, The dependence of confinement on the isotope mass in the core and the edge of AUG and JET H-Mode plasmas. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/P4-6](#), 2021
3. L. Frassinetti, C. Perez von Thun, B. Chapman, A. Fil, J.C. Hillesheim, **L. Horvath**, G.T.A. Huijsmans, H. Nystrom, V. Parail, S. Saarelma, B. Viola, R. Bianchetti Morales, M. Dunne, A.R. Field, J. Flanagan, J.M. Fontdecaba, D. Hatch, B. Lomanowski, C.F. Maggi, S. Menmuir, S. Pamela, C. Roach, E. Rachlew, E.R. Solano and JET contributors, Role of the separatrix density in the pedestal performance in JET-ILW and JET-C. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/2-2](#), 2021
4. T. Tala, A. Salmi, E.R. Solano, I.S. Carvalho, J. Citrin, A. Chomiczewska, E. Delabie, F. Eriksson, J. Ferreira, E. Fransson, **L. Horvath**, P. Jacquet, D. King, A. Kirjasuo, S. Leerink, E. Lerche, C.F. Maggi, P. Mantica, A. Mariani, M. Marin, M. Maslov, S. Menmuir, R.B. Morales, V. Naulin, M.F.F. Nave, H. Nordman, C. Perez von Thun, P.A. Schneider, M. Sertoli, K. Tanaka and JET contributors, Comparison of particle transport and confinement properties between the ICRH and NBI heated dimensionless identity plasmas on JET. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/P3-2](#), 2021
5. C. Giroud, S. Brezinsek, R.A. Pitts, I.S. Carvalho, A. Huber, E. Kaveeva, D. Keeling, J. Mailloux, V. Rozhansky, S. Aleiferis, B. Chapman, S. Henderson, L. Garzotti, E. Lerche, M. Marin, M. Maslov, M. Brix, P. Carvalho, I. Coffey, J.M. Fontdecaba, **L. Horvath**, I. Jepu, J. Karhunen, E. Litherland-Smith, A. Meigs, R.B. Morales, T. Pereira, D. Refy, Z. Stancar, M. Sertoli, S. Silburn, G. Szepesi, A. Thorman, M. Tomes, I. Veselova, B. Viola, S. Wiesen and JET Contributors, High performance ITER-baseline discharges in deuterium with nitrogen and neon-seeding in the JET-ILW. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/P3-9](#), 2021
6. E.R. Solano, E. Delabie, G. Birkenmeier, C. Silva, J. Hillesheim, P. Vincenzi, A.H. Nielsen, J.J. Rasmussen, A. Baciero, S. Aleiferis, I. Balboa, A. Boboc, C. Bourdelle, I.S. Carvalho, P. Carvalho, M. Chernyshova, R. Coelho, T. Craciunescu, R. Dumont, E. de la Luna, J. Flanagan, M. Fontana, J.M. Fontdecaba, L. Frassinetti, D. Gallart, J. Garcia, E. Giovannozzi, C. Giroud, W. Gromelski, R. Henriques, **L. Horvath**, I. Jepu, A. Kappatou, D.L. Keeling, D. King, E. Kowalska-Strzeciwiłk, M. Lennholm, E. Lerche, E. Litherland-Smith, V. Kiptily, K. Kirov, A. Loarte, B. Lomanowski, C.F. Maggi, M.J. Mantsinen, A. Manzanares, M. Maslov, A.G. Meigs, R.B. Morales, D. Nina, C. Noble, V. Parail, F. Parra Diaz, E. Pawelec, G. Pucella, D. Refy, E. Righi-Steele, F.G. Rimini, T. Robinson, S. Saarelma, M. Sertoli, A. Shaw, S. Silburn, P. Siren, Z. Stancar, H. Sun, G. Szepesi, D. Taylor, E. Tholerus, S. Vartanian, G. Verdoollaeghe, B. Viola, H. Weisen, T. Wilson and JET Contributors, L-H transition studies at JET: tritium, helium and deuterium. In Proceedings of the 28th IAEA Fusion Energy Conference, [EX/2-3](#), 2021
7. T. Tala, A. Mariani, A. Salmi, E.R. Solano, I.S. Carvalho, A. Chomiczewska, E. Delabie, F. Eriksson, J. Ferreira, E. Fransson, **L. Horvath**, P. Jacquet, D. King, A. Kirjasuo, S. Leerink, E. Lerche, C.F. Maggi, P. Mantica, M. Marin, M. Maslov, S. Menmuir, R.B. Morales, V. Naulin, M.F.F. Nave, H. Nordman, C. Perez von Thun, P.A. Schneider, M. Sertoli, K. Tanaka, JET contributors, Comparison of particle transport and confinement properties between the ICRH and NBI heated dimensionless identity plasmas on JET, In Proceedings of the 47th EPS Conference on Plasma Physics, [P1.1077](#), 2021
8. H. Weisen, C.F. Maggi, **L. Horvath**, F. Auriemma, T.W. Bache, F.J. Casson, A. Chankin, E. Delabie, C. Giroud, D. King, R. Lorenzini, S. Menmuir, E. Viezzzer and JET Contributors, Isotope Dependence of Confinement in JET Deuterium and Hydrogen Plasmas. In Proceedings of the 27th IAEA Fusion Energy Conference, [EX/P1-4](#), Ahmedabad, India, 2018.

9. C.F. Maggi, H. Weisen, F. Auriemma, F.J. Casson, E. Delabie, **L. Horvath**, R. Lorenzini, H. Nordman, J. Flanagan, D. Keeling, H-T Kim, D. King, S. Menmuir, G. Sips and JET Contributors. Pedestal structure and stability in H and D isotope experiments on JET-ILW. In *Proceedings of the 45th EPS Plasma Physics Conference*, [O2.101](#), Prague, Czech Republic, 2018.
10. **L. Horvath**, C.F. Maggi, E. Belonohy, E.G. Delabie, J. Flanagan, L. Frassinetti, C. Giroud, D. Keeling, D. King, M. Maslov, G.F. Matthews, S. Menmuir, S. Saarelma, S.A. Silburn, A.C.C Sips, H. Weisen, K.J. Gibson and JET Contributors. Pedestal structure and stability in H and D isotope experiments on JET-ILW. In *Proceedings of the 44th EPS Plasma Physics Conference*, [P5.123](#), Belfast, UK, 2017.
11. D.B. King, E. Viezz, M. Baruzzo, E. Belonohy, J Buchanan, I Carvalho, K. Cave-Ayland, I. Coffey, C.D. Challis, E.G. Delabie, A. Drenik, L. Garzotti, J.Hillesheim, **L. Horvath**, E.Joffrin, D. Keeling, K. Kirov, C.F. Maggi, M. Maslov, S. Saarelma, E.R. Solano, M. Stamp, D. Valcarcel, H. Weisen and JET contributors. Mixed Hydrogen-Deuterium plasmas on JET ILW: H-mode confinement and isotope mixture control. In *Proceedings of the 44th EPS Plasma Physics Conference*, [O3.112](#), Belfast, UK, 2017.
12. H.R. Wilson, C. Bowman, S.C. Cowley, I. Cziegler, D. Dickinson, L. Frassinetti, K. Gibson, C. Ham, **L. Horvath**, A. Kirk, B. Lipschultz, A.E. Lunniss, C.F. Maggi, C.M. Roach, S. Saarelma, P.B. Snyder, A. Thornton, A. Wynn and JET Contributors. Inter-ELM pedestal evolution in low triangularity JET-ILW discharges. In *Proceedings of the 44th EPS Plasma Physics Conference*, [P2.112](#), Belfast, UK, 2017.
13. P.Zs. Poloskei, G. Papp, G.I. Pokol, Ph.W. Lauber, X. Wang, **L. Horvath** and the ASDEX Upgrade team. Bicoherence analysis of fast ion driven transient plasma waves. In *Proceedings of the 44th EPS Plasma Physics Conference*, [P5.179](#), Belfast, UK, 2017.
14. **L. Horvath**, C.F. Maggi, F.J. Casson, L. Frassinetti, M.G. Dunne, J. Hobirk, I. Lupelli, K.J. Gibson and JET Contributors. Evolution of the bootstrap current profile during the type I ELM cycle of JET-ILW H-mode plasmas. In *Proceedings of the 43rd EPS Plasma Physics Conference*, [P2.015](#), Leuven, Belgium, 2016.
15. F. Mink, E. Wolfrum, M. Maraschek, H. Zohm, **L. Horvath**, E. Viezz, F.M. Laggner, M. Dunne, P. Manz, U. Stroth and the ASDEX Upgrade Team. Characterization of inter-ELM magnetic oscillations on ASDEX Upgrade. In *Proceedings of the 43rd EPS Plasma Physics Conference*, [P1.022](#), Leuven, Belgium, 2016.
16. **L. Horvath**, G. Papp, G. I. Pokol, Ph. W. Lauber, G. Por, A. Gude, V. Igochine, ASDEX Upgrade Team. Fast changes in the mode structure of chirping energetic particle driven modes. In *Proceedings of the 42nd EPS Plasma Physics Conference*, [P1.148](#), Lisbon, Portugal, 2015.
17. G. Kocsis, P.T. Lang, G. Cseh, M. Dunne, **L. Horvath**, V. Mertens, H. Meyer, B. Ploeckl, G. I. Pokol, P. Zs. Pölöskei, B. Sieglin, T. Szepesi, E. Viezz, EUROfusion MST1 Team1, the ASDEX Upgrade Team. Reliability study of pellet ELM pace making. In *Proceedings of the 42nd EPS Plasma Physics Conference*, [P4.171](#), Lisbon, Portugal, 2015.
18. **L. Horvath**, G. I. Pokol, G. Papp, G. Por, Ph. W. Lauber, A. Gude, V. Igochine, ASDEX Upgrade Team. Changes in the radial structure of EPMs during the chirping phase taking the uncertainties of the time-frequency transforms into account. In *Proceedings of the 41th EPS Plasma Physics Conference*, [P2.008](#), Berlin, Germany, 2014.
19. G. I. Pokol, **L. Horvath**, N. Lazányi, G. Papp, G. Pór, V. Igochine, ASDEX Upgrade team. Continuous linear time-frequency transforms in the analysis of fusion plasma transients. In *Proceedings of the 40th EPS Plasma Physics Conference*, [P5.116](#), Espoo, Finland, 2013.
20. T. Szepesi, G. Cseh, **L. Horvath**, G. Kocsis, P.T. Lang, B. Plöckl, G. Pokol and ASDEX Upgrade Team. Pellet-induced MHD activity in H-mode plasmas at ASDEX Upgrade. In *Proceedings of the 40th EPS Plasma Physics Conference*, [P5.154](#), Espoo, Finland, 2013.
21. G. Papp, G. I. Pokol, G. Por, A. Magyarkuti, N. Lazányi, **L. Horvath**, V. Igochine, M. Maraschek, and ASDEX Upgrade Team. Low frequency sawtooth precursor in ASDEX Upgrade. In *Proceedings of the 5th IAEA Technical Meeting on Theory of Plasma Instabilities*, IAEA-TM-40758, [B4.1](#), Austin (TX), USA, 2011.
22. G. I. Pokol, G. Papp, G. Por, A. Magyarkuti, N. Lazányi, **L. Horvath**, V. Igochine, M. Maraschek and ASDEX Upgrade Team. Sawtooth precursors in ASDEX Upgrade. In *Proceedings of the 38th EPS Plasma Physics Conference*, [P4.093](#), Strasbourg, France, 2011.

CONFERENCE TALKS AND POSTERS

1. **L. Horvath**, et al. Experimental analysis of ELM and inter-ELM particle transport in JET-ILW pedestals, 25th Joint EU-US Transport Task Force Meeting, 09-09-2021. - *Oral*
2. **L. Horvath** et al. Isotope effect of the edge transport barrier in JET-ILW type I ELMy H-modes. 17th International Workshop on H-mode Physics and Transport Barriers, Shanghai, China, 2019-10-11. - *Poster*
3. **L. Horvath** et al. Isotope dependence of the pedestal in JET-ILW type I ELMy H-modes. 46th EPS Plasma Physics Conference, Milan, Italy, 2019-07-11. - *Oral*
4. **L. Horvath** et al. Isotope effect of the H-mode pedestal in JET-ILW hydrogen and deuterium plasmas. 23rd Joint EU-US Transport Task Force Meeting, Seville, Spain, 2018-09-11. - *Oral*
5. **L. Horvath** et al. Effect of current diffusion on the inter-ELM pedestal evolution in JET-ILW type I ELMy H-mode plasmas. 45th IOP Plasma Physics Conference, Belfast, UK, 2018-04-09. - *Poster*
6. **L. Horvath** et al. Analysis of the pedestal structure and stability in H and D plasmas on JET-ILW. KSTAR Conference 2018, Muju Deogyusan Resort, South Korea, 2018-02-22. - *Poster*
7. **L. Horvath** et al. Pedestal structure and stability in H and D isotope experiments on JET-ILW. 44th EPS Plasma Physics Conference, Belfast, UK, 2017-06-30. - *Poster*
8. **L. Horvath** et al. Evolution of the bootstrap current profile during the type I ELM cycle of JET-ILW H-mode plasmas. 43rd EPS Plasma Physics Conference, Leuven, Belgium, 2016-07-05. - *Poster*
9. **L. Horvath** et al. Outline of a PhD project on the investigation of the isotope effects of the pedestal on JET. 43rd IOP Plasma Conference, Isle of Skye, UK, 2016-05-23. - *Poster*
10. **L. Horvath** et al. Experimental investigation of the radial structure of energetic particle driven modes. 14th IAEA Technical Meeting on Energetic Particles in Magnetic Confinement Systems, Vienna, Austria, 2015-09-03. - *Oral*
11. **L. Horvath** et al. Fast changes in the mode structure of chirping energetic particle driven modes. 42nd EPS Plasma Physics Conference, Lisbon, Portugal, 2015-06-22. - *Poster* - awarded with the EPS/PPCF/IUPAP Poster Prize
12. **L. Horvath** et al. Experimental investigation of Energetic Particle Modes on ASDEX Upgrade, Hungarian Plasma Physics and Fusion Technology Workshop, Tengelic, Hungary, 2015-04-09. - *Oral*
13. **L. Horvath** et al. Changes in the radial structure of EPMs during the chirping phase taking the uncertainties of the time-frequency transforms into account. 41th EPS Plasma Physics Conference, Berlin, Germany, 2014-06-24. - *Poster*
14. **L. Horvath** et al. NTI Wavelet Tools: A data processing toolbox to analyse fusion plasma transients. KSTAR Workshop, Wigner RCP RMKI, Budapest, Hungary, 2014-01-16. - *Oral*
15. **L. Horvath** et al. Optimization of time-frequency analysis for the characterization of electron temperature measurements at ASDEX Upgrade. Sokendai Asian Winter School, Toki City, Gifu Prefecture, Japan, 2013-01-30. - *Poster*
16. **L. Horvath** et al. Data processing tool based on time-frequency analysis to investigate transient processes, Hungarian Plasma Physics and Fusion Technology Workshop, Tata, Hungary, 2012-04-03. - *Oral*

TECHNICAL REPORTS

1. **L. Horvath**, G. I. Pokol and G. Papp. Short Time Fourier Transform in NTI Wavelet Tools. [BME-NTI-593/2012](#)

THESES

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