

14. PUBLICATIONS

14.1. Proceedings

- “28th EPS Conference on Controlled Fusion and Plasma Physics” – Contributed papers
C. Silva, C. Varandas and D. Campbell
Europhysics Conference Abstracts, Volume 25^A, European Physics Society
- “28th EPS Conference on Controlled Fusion and Plasma Physics” – Invited talks
D. Campbell and C. Varandas
Plasma Physics Controlled Fusion, 43, 12A, 2001.
- “Microwave reflectometry for turbulence studies on ASDEX Upgrade”
T.T. Ribeiro, F. Serra, G. D. Conway, M. E. Manso, F. Rytter, L. Cupido, B. Kurzan, A. Silva, W. Suttrop, S. Vergamota and ASDEX Upgrade Team
Rev. Sci. Instrum, Vol. 72, No. 2, 1366, 2001.
- “Turbulence reduction in internal transport barriers on ASDEX Upgrade”
G.D. Conway, A.G. Peeters, O. Gruber, A. Gude, S. Günter, J. Hobirk, B. Kurzan, M. Maraschek, H. Meister, H.W. Müller, T.T. Ribeiro, F. Serra, A.C.C. Sips, W. Suttrop and R.C. Wolf
Plasma Phys. Control. Fusion, 43, 1239, 2001

14.2. Ph.D thesis

- “Application of discrete Wigner functions to time-frequency analysis of fusion plasma signals”
António Figueiredo, September 2001
Universidade Técnica de Lisboa
- “Modelling of the tearing mode response to electrodynamic, plasma flow and mode coupling perturbations in tokamaks”
Rui Coelho, September 2001
Universidade Técnica de Lisboa
- “Type II ELMy H modes on ASDEX Upgrade with good confinement at high density”
J. Stober, M. Maraschek, G.D. Conway, O. Gruber, A. Herrmann, A.C.C. Sips, W. Treutterer, H. Zohm, ASDEX Upgrade Team
Nuclear Fusion, 41 (9), 1123, 2001

14.3. Articles in scientific journals

- “Simulation of reflectometry density changes using 2D full-wave code”
F. da Silva, M. Manso, A. Silva and ASDEX Upgrade Team
Rev. Sci. Instrum, Vol. 72, No. 1, 311, 2001.
- “Performance of the microwave reflectometry diagnostic for density profile measurements on ASDEX Upgrade”
A. Silva, M. Manso, S. Vergamota, L. Cupido, L. Meneses, I. Nunes and ASDEX Upgrade Team
Rev. Sci. Instrum, Vol. 72, No. 1, 307, 2001.
- “Assessment of density profile automatic evaluation from broadband reflectometry data”
P. Varela, M. Manso, S. Vergamota, V. Grossmann, J. Santos and the ASDEX Upgrade Team
Rev. Sci. Instrum, Vol. 72, No. 1, 315, 2001.
- “Refuelling performance improvement by high speed pellet launch from the magnetic high field side”
P.T. Lang, A. Lorenz, V. Mertens, J.C. Fuchs, J. Gafert, O. Gehre, O. Gruber, G. Haas, M. Kaufmann, B. Kurzan, M. Maraschek, H. W. Müller, H.D. Murmann, J. Neuhauser, M. Reich, W. Schneider, S. Vergamota, ASDEX Upgrade Team
Nuclear Fusion, 41 (8), 1107, 2001
- “The physics of neoclassical tearing modes and their stabilization by ECCD in ASDEX Upgrade”
H. Zohm, G. Gantenbein, A. Gude, S. Günter, F. Leuterer, M. Maraschek, J.P. Meskat, W. Suttrop, Q. Yu, ASDEX Upgrade Team, ECRH Group (AUG)
Nuclear Fusion, 41 (2), 197, 2001

- “Overview of ASDEX Upgrade results”
O. Gruber and the ASDEX Upgrade Team
(including M.E.Manso, I. Nunes, T. Ribeiro, F. Serra, A. Silva, P. Varela)
Nuclear Fusion, 41, (10), 1369, 2001.
- “Dependence of the density shape on the heat flux profile in ASDEX Upgrade high density H modes”
J. Stober, C. Fuchs, O. Gruber, M. Kaufmann, B. Kurzan, F. Meo, H.W. Müller, F. Ryter, ASDEX Upgrade Team
Nuclear Fusion, 41 (11), 1535, 2001
- “Measurement of poloidal flow, radial electric field and $E \times B$ shearing rates at ASDEX Upgrade”
H. Meister, A. Kallenbach, A.G. Peeters, A. Kendl, J. Hobirk, S.D. Pinches, ASDEX Upgrade Team
Nuclear Fusion, 41 (11), 1633, 2001
- “In-out asymmetry of divertor temperatures in tokamaks”
U. Wenzel, D.P. Coster, A. Kallenbach, H. Kastelewicz, M. Laux, H. Maier, R. Schneider, ASDEX Upgrade Team
Nuclear Fusion, 41 (11), 1695, 2001
- “Fuzzy-neural approaches to the prediction of disruptions in ASDEX Upgrade”
F.C. Morabito and the ASDEX Upgrade Team.
Nuclear Fusion, 41 (11), 1715, 2001
- “Density profile measurements by AM reflectometry in TJ-II”
T. Estrada, J. Sánchez, B. van Milligen, L. Cupido, A. Silva, M.E. Manso and V. Zhuravlev
Plasma Phys. Control. Fusion, 43, 1535, 2001
- “Internal transport barrier discharges in JET and their sensitivity to edge conditions”
JET Team, A.C.C. Sips
Nuclear Fusion, 41 (11), 1559, 2001
- “Analysis of the structure of neoclassical tearing modes in ASDEX Upgrade”
J.P. Meskat, H. Zohm, G. Gantenbein, S. Günter, M. Maraschek, W. Suttrop, Q.Yu and ASDEX Upgrade Team
Plasma Phys. and Control. Fusion, 43, (10), 1325, 2001
- “Measurements of the plasma potential by HIBP using a TOF method”
I.S. Nedzelskiy, A. Malaquias, J.A.C. Cabral and C.A.F. Varandas
Rev. Sci. Instrum, 72, (1), 572, 2001.
- “Application of emissive probes for plasma potential measurements in fusion devices”
R. Schrittwieser, C. Ionita, P.C. Balan, J.A. Cabral, F.H. Figueiredo, V. Pohoata and C. Varandas
Contrib. Plasma Phys., 41, (5), 494, 2001.
- “Installation of an advanced heavy ion beam diagnostic on the TJ-II stellarator”
I.S. Bondarenko, A.A. Chmuga, N.B. Dreval, S.M. Khrebtov, A.D. Komarov, A.S. Kozachok, L.I. Krupnik, P. Coelho, M. Cunha, B. Gonçalves, A. Malaquias, I.S. Nedzelskiy, C.A.F. Varandas, C. Hidalgo, I. Garcia-Cortes and A.V. Melnikov
Rev. Sci. Instrum, 72, (1), 583, 2001.
- “Modified biased split detectors for the HIBP electrostatic energy analyser”
I.S. Nedzelskiy, N.B. Dreval, S.M. Khrebtov, A.D. Komarov, A.S. Kozachok and L.I. Krupnik
Rev. Sci. Instrum, 72, (1), 575, 2001.
- “An innovative interpretation of rotating tearing mode locking to an external static current”
R. Coelho, E. Lazzaro
Nuclear Fusion, 41, (7), 813, 2001.
- “Theoretical interpretation of Alfvén cascades in tokamaks with nonmonotonic q profiles”
H. Berk, D. Borba, B.N. Breizman, S.D. Pinches and S.E. Sharapov
Physical Review Letters, 87, (18), 29, 2001.
- “Velocity fluctuations and transport in the JET boundary region”
B. Gonçalves, C. Hidalgo, K. Ereints and contributors to the JET-EFDA
Czechoslovak Journal of Physics, 51, (10), 2001
- “Numerical Fokker-Planck calculations in nonuniform grids”
J.P.S. Bizarro and P. Rodrigues
Physics of Plasmas, 8, (5), 1903, 2001.

- “*Pellet fuelling and ELMy H mode physics in JET*”
JET Team (prepared by L.D. Horton) (including D. Borba and M.F. Nave)
Nuclear Fusion, 41, (2), 189, 2001.
 - “*Overview of ITER-FEAT – The future international burning plasma experiment*”
R. Aymar, V.A. Chuyanov, M. Huguet, Y. Shimomura, ITER Joint Central Team, ITER Home Teams
Nuclear Fusion, 41, (10), 1301, 2001.
 - “*Overview of JET results in support of the ITER physics basis*”
JET Team (prepared by C. Gormezano) (including D. Borba and M.F. Nave)
Nuclear Fusion, 41, (10), 1327, 2001.
 - “*High beta plasmas and internal barrier dynamics in JET discharges with optimized shear*”
JET Team (prepared by P. Buratti) (including D. Borba and M.F. Nave)
Nuclear Fusion, 41, (12), 1809, 2001.
 - “*Integration of in-vessel diagnostic sensors in ITER*”
C.I. Walker, A. Costley, L. DeKock, K. Ebisawa, G. Janeschitz, A. Malaquias, M. Yamada, G. Vayakis and S. Yamamoto
Fusion Engineering and Design, 56-57, 883, 2001.
 - “*Integration of direct-coupled diagnostics into ITER equatorial and upper ports*”
A. Malaquias, A.E. Costley, K. Ebisawa, G. Janeschitz, G. Vayakis, C.I. Walker and S. Yamamoto
Fusion Engineering and Design, 56-57, 889, 2001.
 - “*The first operation of the advanced heavy ion beam probing diagnostic on the TJ-II flexible heliac*”
L.I. Krupnik, I.S. Bondarenko, A.A. Chmyga, M.B. Dreval, S.M. Khrebtov, A.D. Komarov, A.S. Kozachok, C. Hidalgo, I. Garcia-Cortes, L. Rodriguez-Rodrigo, A.V. Melnikov, P. Coelho, M. Cunha, B. Gonçalves, A. Malaquias, I.S. Nedzelskiy and C.A.F. Varandas
Fusion Engineering and Design, 56-57, 935, 2001.
 - “*Photon kinetic theory of self-phase modulation*”
L. O. Silva, J. T. Mendonça,
Optics Communications 196, 285, 2001
 - “*Nuclear reaction rates and energy in stellar plasmas: The effect of highly damped modes*”
M. Opher, L. O. Silva, D. Dauger, V. K. Decyk, J. M. Dawson
Physics of Plasmas 8, 2454, 2001
 - “*Study of the ion-distribution dynamics of an aluminium laser-produced plasma with picosecond resolution*”
M. Fajardo, P. Audebert, P. Renaudin, H. Yashiro, R. Shepherd, J. C. Gauthier, C. Chenais-Popovics.
Physical Review Letters 86, 1231, 2001.
 - “*Interaction of ultra-short high intensity laser pulses with atomic clusters*”
M. Eloy, R. Azambuja, J.T. Mendonça, R. Bingham
Physics of Plasmas 8, 1084 (2001).
 - “*MeV ions generated via Coulombic explosions of atomic clusters*”
M. Eloy, R. Azambuja, J.T. Mendonça, R. Bingham,
Physica Scripta T89, 60 (2001)
 - “*Proton and Neutron Sources using Tera-Watt Lasers*” (feature article)
J.T. Mendonça, J. R. Davies, M. Eloy,
Measurement Science and Technology 12, 1801, 2001.
 - “*Fast particle generation and transport in laser-solid interactions*”
M. Zepf et al.
Physics of Plasmas 8, 2323, 2001.
- 14.4. Papers accepted for publication**
- “*On a variational approach to the extraction of quadratures from broadband reflectometry signals*”
A.C.A. Figueiredo and J.P. Bizarro
Accepted for publication in Rev. Sci. Instrum.

- *"Evolution of electron temperature during the energy quench of a major density limit disruption"*
F. Salzedas, S. Hokin, F.C. Schüller and A.A.M. Oomens
Accepted for publication in the 3rd Triennial Special Issue of the IEEE Transactions on Plasma Science "Images in Plasma Science"
 - *"Reflectometry in conventional and advanced plasma scenarios on ASDEX Upgrade and perspectives for ITER"*
M.E. Manso, P. Varela, I. Nunes, J. Santos, G.D. Conway, M. Hirsch, S. Kluge, J. Stober, CFN/IST Reflectometry and ASDEX Upgrade Teams
Accepted for publication in Plasma Phys. Control. Fusion
 - *Electrical behaviour at high temperatures and elemental characterisation of beryllium pebbles*
E. Alves, M. R. da Silva, L.C. Alves, F. Scaffidi-Argentina, J.C. Soares
Accepted for publication in Journal of Nuclear Materials
 - *Study of solubility of U at very low concentration on RAFM steel*
A. Paúl, L.C. Alves, J.A. Odriozola and J.C. Soares
Accepted for publication in Journal of Nuclear Materials
 - R. A. Fonseca *et al.*
Accepted for publication in IEEE Trans. Plasma Science, Special Issue Images on Plasma Science
 - S. Tsung, R. G. Hemker, C. Ren, L. O. Silva, W. B. Mori, T. Katsouleas
Accepted for publication in Proceedings of the National Academy of Sciences
 - *"Thomas-Fermi model for a dust particle in a plasma"*
J.T. Mendonça, N.L. Tsintsadze, A. Guerreiro,
Accepted for publication in Europhysics Letters (2001).
 - *"Two-dimensional collision of probe photons with relativistic ionization fronts"*
J.M. Dias, N.L. Lopes, L.O. Silva, G. Figueira, J.T. Mendonça
Accepted for publication in Physical Review E, (2001).
 - *"How wrong is collisional Monte Carlo modelling of fast electron transport in high-intensity laser-solid interactions?"*
J. R. Davies
Accepted for publication in Physical Review E, (2001)
- 14.5. Papers in international conferences**
- **5th International Workshop on Reflectometry, Toki, Japan, 5-7 March, 2001**
 - *"Fluctuation and reflectometer simulation studies on ASDEX-Upgrade"*
G.D. Conway, B. Kurzan, B. Scott, H. Holzhauer, S. Kluge, W. Suttrop, M. Kaufmann, F. Jenko, F. Serra, T.T. Ribeiro, H. Zohm, ASDEX Upgrade Team and CFN Reflectometry Group, NIFS – Proc. 49, 30
 - *"Advances in the density profile evaluation from broadband reflectometry on ASDEX Upgrade"*
P. Varela, M. Manso, G. Conway, ASDEX Upgrade Team, NIFS – Proc. 49, 35
 - *"Density measurements with broadband FM-CW reflectometry in advanced scenarios on ASDEX Upgrade"*
M. Manso, S. Vergamota, I. Nunes, L. Cupido, T. Ribeiro, J. Santos, F. Serra, A. Silva, P. Varela, G. Conway, P.T. Lang, F. Ryter, R. Wolf and ASDEX Upgrade Team, NIFS – Proc. 49, 39
 - **14th Topical Conference on Radio Frequency Power in Plasmas, Oxnard- California, USA, 7-9 May, 2001**
 - *"Path –sum calculations for rf current drive"*
J.H. Belo, J.P.S. Bizarro, P. Rodrigues.
 - *"Fokker-Planck calculations in nonuniform grids for rf current drive"*
P. Rodrigues, J.P.S. Bizarro.

- “ICRF heating scenarios in JET with emphasis on 4He plasmas for the non-activated phase of ITER”
M.J. Mantsinen, M.-L. Mayoral, E. Righi, J.-M. Noterdaeme, A.A. Tuccillo, M. de Baar, A. Figueiredo, A. Gondhalekar, T. Hellsten, V. Kiptily, K. Lawson, F. Meo, F. Milani, I. Monakhov, Yu. Petrov, V. Riccardo, F. Rimini, S. Sharapov, D. van Eester, K.-D. Zastrow, R. Barnsley, L. Bertalot, A. Bickley, J. Bucalossi, R. Cesario, J.M. Chareau, M. Charlet, I. Coffey, S. Conroy, P. de Vries, K. Erents, L.-G. Eriksson, C. Gowers, L.C. Ingesson, N. Jarvis, T. Johnson, R. Koch, Ph. Lamalle, G. Maddison, J. Mailloux, A. Murari, F. Nguyen, J. Ongena, V. Parail, S. Popovichev, G. Saibene, F. Sartori, J. Strachan, M. Zerbini and Task Force H and EFDA-JET contributors.
- “Recent heating and current drive results on JET”
A.A. Tuccillo, Y. Baranov, E. Barbato, Ph. Bibet, C. Castaldo, R. Cesario, W. Cocilovo, F. Crisanti, R. De Angelis, A.C. Ekedahl, A. Figueiredo, M. Graham, G. Granucci, D. Hartmann, J. Heikkinen, T. Hellsten, F. Imbeaux, T.T.H. Jones, T. Johnson, K.V. Kirov, P. Lamalle, M. Laxaback, F. Leuterer, X. Litaudon, P. Maget, J. Mailloux, M.J. Mantsinen, M.L. Mayoral, F. Meo, I. Monakhov, F. Nguyen, J.-M. Noterdaeme, V. Pericoli-Ridolfini, S. Podda, L. Panaccione, E. Righi, F. Rimini, Y. Sarazin, A. Sibley, A. Staebler, T. Tala, D. Van Eester and EFDA-JET Work-Programme Contributors
- **Complex Systems Dynamics Conference, Fairbanks, Alaska, 21-23 May, 2001**
- “Radial structure of fluctuations and transport in the JET plasma boundary region”
C. Hidalgo, B. Gonçalves, C. Silva, M.A. Pedrosa, K. Erents, M. Hron, G. Matthews.
- **28th EPS Conference on Controlled Fusion and Plasma Physics, Funchal, 18-22 June, 2001**
- “Reflectometry in advanced plasma scenarios on ASDEX Upgrade and perspectives for ITER”
M.E. Manso (*Invited talk*)
- “Alternating limiter biasing experiments on the tokamak ISTTOK”
J.A.C. Cabral, H. Figueiredo, B. Gonçalves, I. Nedzelskiy, C. Silva, C.A.F. Varandas.
- “Influence of a non-uniform magnetic field on the measurement of $n_e \times \epsilon_{eff}$ profile by heavy ion beam probing with a multiple cell array detector”
I.S. Nedzelskiy, A. Malaquias, J.A.C. Cabral, C.A.F. Varandas
- “Plasma potential measurements by heavy ion beam probe in TJ-II stellarator”
A.A. Chmuga, N.B. Dreval, B. Gonçalves, A. Malaquias, I.S. Nedzelskiy, C.A.F. Varandas.
- “Runaway electrons instability in the ISTTOK discharges”
V.V. Plyusnin, J.A.C. Cabral, H. Figueiredo, C.A.F. Varandas
- “Toroidal plasma rotation with ICRF on JET”
J.-M. Noterdaeme, E. Righi, J. deGrassie, V. Chan, M.F.F. Nave, K.-D. Zastrow, R. Budny, R. Cesario, A. Gondhalekar, N. Hawkes, T. Hellsten, Ph. Lamalle, F. Meo, F. Nguyen, Contributors to the EFDA-JET Workprogramme
- “Solution of Fokker-Planck models for current drive using path sums”
J. H. Belo, J. P. S. Bizarro, A. C. Figueiredo, P. Rodrigues
- “Beam afterglow scenario for TAE excitation in optimised shear JET plasmas”
S.E. Sharapov, D.N. Borba, A. Fasoli, C. Giroud, A. Gondhalekar, N.C. Hawkes, T.C. Hender, V.G. Kiptily, M.J. Mantsinen, F. Nabais, D. Testa
- “Effect of Internal Flux Shaping in JET”
O. Tudisco, F. Crisanti, P. Lomas, E. Joffrin, F. Rimini, A. Becoulet, L. Bertalot, T. Bolzonella, G. Bracco, C. Giroud, S. Cortes, B. Esposito, N. Hawkes, S. Popovichev, E. Rachlew, M. Riva, contributors to the EFDA-JET workprogramme

- *“Turbulence Behaviour During Electron Heated Reversed Shear Discharges in JET”*
G.D.Conway, C.D.Challis, J-M.Chareau, T.Estrada, J.Fessey, N.C.Hawkes, G.M.D. Hogewij, X.Litaudon, L.Meneses, T.Ribeiro, R.Sabot, Y.Sarazin, J.van Gorkom, K-D.Zastrow, and contributors to EFDA-JET workprogramme
- *“Numerical Simulation of Sawtooth Stabilisation by Super-Thermal Particles in the Potato Regime”*
F. Nabais, D. Borba, M. Mantsinen, K. McClements, M. F. F. Nave, S. Sharapov
- *“Neoclassical Tearing Mode Seed Island Control with ICRH in JET”*
O. Sauter, E. Westerhof, M.L. Mayoral, D. F. Howell, M.J. Mantsinen, B. Alper, C. Angioni, P. Belo, R. Buttery, K.G. McClements, A. Gondhalekar, T. Hellsten, T.C. Hender, T. Johnson, P. Lamalle, F. Milani, M.F. Nave, F. Nguyen, A.-L. Pecquet, S. Pinches, S. Podda, J. Rapp and contributors to the EFDA-JET workprogramme
- *“Density Pedestal Measurements with Microwave Reflectometry on ASDEX Upgrade”*
P. Varela, M. Manso, G. Conway, C. Fuchs, B. Kurzan, H. W. Müller, W. Suttröpp, and ASDEX Upgrade Team
- *“On Discrete Wigner Distributions for Time-Frequency Analysis of Fusion Plasma Signals”*
A. Figueiredo and J. P. S. Bizarro
- *“Radiation Pattern and Impurity Transport in Impurity Seeded ELMy H-Mode Discharges in JET”*
M.E. Puiatti, G. Telesca, J. Rapp, M. Mattioli, P. Monier Garbet, M. Valisa, I. Coffey, P. Dumortier, C. Giroud, L.C. Ingesson, K.D. Lawson, G. Maddison, A.M. Messiaen, A.Murari, M.F.F.Nave, J.Ongena, J.Strachan, B. Unterberg, D. VanEester, M. von Hellermann, contributors to the EFDA-JET workprogramme
- *“Sawtooth and Impurity Accumulation Control in JET Radiative Mantle Discharges”*
M.F.F.Nave, J.Rapp, T.Bolzonella, R.Dux, N.Hawkes, S.Jachmich, H.R.Koslowski, P.Lotte, M.J.Mantsinen, V.Parail, J.Strachan
- *“Influence of Impurity Seeding on ELM Behaviour and Edge Pedestal in ELMy H-Mode Discharges”*
S. Jachmich, G. Maddison, M. Beurskens, P.Dumortier, T. Eich, A. Messiaen, J. Ongena, J. Rapp, J. Strachan, F. Nave, W. Suttröpp, G. Telesca, B. Unterberg
- *“An Innovative Interpretation of Tearing Mode Locking to an External Resonant Static Current”*
R.Coelho, E.Lazzaro
- *“1D and 2D Full-Wave Simulations of O-Mode Reflectometry Experiments in the Presence of Non-Coherent Fluctuations”*
S. Hacquin, F. Silva, S. Heuraux, M. Colin, G. Leclert, M. Manso, T. Ribeiro, J. Santos and F. Serra
- *“Influence of Localized Quasi-Coherent Modes in Density Measurements Using O-Mode Broadband Reflectometry”*
F. da Silva, S. Hacquin, M. Manso, S. Heuraux, G. Leclert, X. Zou
- *“Plasma Position Using Reflectometry Edge Density Profile Measurements on ASDEX Upgrade”*
J. Santos, M. Manso, ASDEX Upgrade Team
- *“The Challenge of ITER Diagnostics”*
A E Costley, A J H Donne, K Ebisawa, G Janeschitz, S Kasai, A Malaquias, G Vayakis, C I Walker, S Yamamoto and V. Zaveriaev
- *“Absolute Calibration of Density Profiles From Both O and X Mode Reflectometry on ASDEX Upgrade”*
I. Nunes, P. Varela, G. D. Conway, F. Silva, F. Serra, M. Manso and the ASDEX Upgrade team
- *“Advances in Microwave Reflectometry on ASDEX Upgrade”*
A. Silva, L. Cupido, M. Manso, S. Vergamota, I. Nunes, J. Santos, F. Serra, V. Grossmann, G. Conway, and the ASDEX Upgrade Team
- *“A Non-Linear Binning Technique for a Thomson Scattering Diagnostic”*
M.P. Alonso, C.A.F. Varandas

- “*The Challenge of ITER Diagnostics*”
A E Costley, A J H Donne, K Ebisawa, G Janeschitz, S Kasai, A Malaquias, G Vayakis, C I Walker, S Yamamoto and V Zaveriaev
- “*High Resolution Ne and Te Profiles During the Energy Quench of Density Limit Disruptions in RTP*”
F. Salzedas, S. Hokin, F.C. Schuller, A.A.M. Oomens, RTP Team
- “*Fluctuations Measurements Using Single Langmuir Probe Characteristic*”
C. G. Silva, G. Matthews, K. Erents, I. Garcia-Cortés, C. Hidalgo, contributors to the EFDA-JET workprogramme
- “*Densification of the Peripheral Scrape-Off Layer by CD4 Puffing in JET*”
G.F.Matthews, G.Corrigan, I.Garcia-Cortes, S.K.Erents, W.Fundamenski, C.Hidalgo, J.Mailloux, M.A.Pedrosa, V.Pericoli, C.Silva, J.Strachan and contributors to the EFDA-JET workprogramme
- “*On the Radial Scale of Turbulent Transport in the JET Plasma Boundary Region*”
C.Hidalgo,B.Gonçalves,K.Erents,C.Silva,M.A.Pedrosa,M.Horn,G.F.Matthews,I.García-Cortés,R.Balbín
- “*ICRF Mode Conversion Experiments on JET*”
M.J. Mantsinen, M.-L. Mayoral, J. Bucalossi, M. de Baar, P. de Vries, A. Figueiredo, T. Hellsten, V. Kiptily, Ph. Lamalle, F. Meo, F. Milani, I. Monakhov, F. Nguyen, J.-M. Noterdaeme, Yu. Petrov, V. Riccardo, E. Righi, F. Rimini, A.A. Tuccillo, D. Van Eester, K.-D. Zastrow and contributors to the EFDA-JET workprogramme
- “*Neoclassical Tearing Mode Seed Island Control with ICRH in JET*”
O. Sauter, E. Westerhof, M.L. Mayoral, D. F. Howell, M.J. Mantsinen, B. Alper, C. Angioni, P. Belo, R. Buttery, K.G. McClements, A. Gondhalekar, T. Hellsten, T.C. Hender, T. Johnson, P. Lamalle, F. Milani, M.F. Nave, F. Nguyen, A.-L. Pecquet, S. Pinches, S. Podda, J. Rapp and contributors to the EFDA-JET workprogramme
- “*Analysis of shaping effects on sawteeth in JET*”
P.C. de Vries, A. Pochelon, M. F. Johnson, M.F.F. Nave, D. F. Howell, O. Sauter, contributors to the EFDA-JET workprogramme
- “*Rotation effects on error field locked modes, modelling and scaling law predictions*”
E.Lazzaro,R.Buttery,T.Hender,M.Bigi,T.Bolzonella,R.Coelho,M.DeBenedetti,S.Nowak,O.Sauter,M. Stamp,P.Zanca
- “*On the amplitude of sawtooth pre-cursors at the onset of neo-classical tearing modes*”
P.A. Belo, M.F.F. Nave, E. Westerhof, B. Alper, D. Borba, R.J. Buttery, T.C. Hender, D.F. Howell, M. Maraschek, O. Sauter, and to contributors to the EFDA-JET Workprogramme
- “*Modeling of the radiative damping of Alfvén eigenmodes in JET with the CASTOR-K Code*”
D. Borba, A. Fasoli, S. Sharapov, D. Testa
- “*Alfven cascades in JET discharges with non-monotonic $Q(R)$* ”
S.E.Sharapov, H.L.Berk, D.N.Borba, B.N.Breizman, S.D.Pinches, B.Alper, C.D.Challis, A.Fasoli, N.C.Hawkes, J.Mailloux, D.Testa
- “*Plasma potential measurements by heavy ion beam probe in TJ-II stellarator*”
A.A. Chmuga, N.B. Dreval, S.M. Khrebtov, A.D. Komarov, A.S. Kozachok, L.I. Krupnik, A.V. Melnikov, B. Gonçalves, A. Malaquias, I.S. Nedzelskiy, C.A.F. Varandas, J. Castellano, T. Estrada, C. Hidalgo, J. Lopez, E. de la Luna
- **4th Europhysics Workshop on the Role of Electric Fields in Plasma Confinement and Exhaust, Funchal, Portugal, 24-15 June, 2001**
- “*Velocity fluctuations and transport in the JET boundary region*”
B. Gonçalves, C. Hidalgo, K. Erents and contributors to the JET-EFDA
- **14th Technical Committee Meeting on Research Using Small Fusion Devices, São Paulo,Brazil, 25-27 June, 2001**
- “*A small Tokamak in a large program - ISTTOK*”
H. Fernandes (*Invited talk*)

- **3rd IAEA Technical Committee Meeting on Control, Data Acquisition, and Remote Participation for Fusion Research, Padova, Italy, 16-19 July, 2001**
- “A distributed, hardware reconfigurable and packet switched real-time control and data acquisition system”
A.J.N. Batista, A. Combo, J. Sousa, C. A. F. Varandas
- “A high performance real-time plasma control and event detection DSP-based VME system”
A.P. Rodrigues, C. Correia, C. Varandas
- “A large memory, high transfer rate VME data acquisition system for the Jet correlation reflectometer”
N. Cruz, R.C. Pereira, M. Correia, L. Cupido, C. Correia, C.A.F. Varandas
- “A high data transfer rate VME system for TCP-IP remote real-time control of the ITER-FEAT in-vessel vision system”
R. Pereira, N. Cruz, C. Correia, C. Varandas
- “A CORBA sharing and messaging server-client information system”
H. Fernandes, J.P.A. Pereira and C.A.F. Varandas
- **Conference on Advanced Diagnostics for Magnetic and Inertial Fusion, Varenna, Italy, 3-7 September, 2001**
- “High resolution Thomson scattering on JET – an assessment of the feasibility”
C. Gowers, C.J. Barth, R. Behn, M.N.A. Beurskens, B. Kurzan, P. Nielsen, R. Pasqualotto, M.P. Alonso, F. Orsitto, J. Sanchez, M. Walsh, D. Wilson, and contributors to the EFDA-JET work programme
- **Tenth International Symposium on Laser-Aided Plasma Diagnostics, Fukuoka, Japan, 24-28 September, 2001**
- “High resolution Thomson scattering for JET”
M.N.A. Beurskens, C.J. Barth, C. Gowers, D. Wilson, P. Nielsen, R. Pasqualotto, R. Behn, B. Kurzan, M.P. Alonso, F. Orsitto, J. Sanchez, M. Walsh.
- “The ISTTOK Thomson scattering diagnostic”
M.P. Alonso and C.A.F. Varandas
- **7th IAEA TCM on Energetic Particles in Magnetic Confinement Systems, Göteborg, Sweden, 8-11 October, 2001**
- “Modelling of Alfvén waves in JET plasmas with the CASTOR-K code”
D. Borba, H.L. Berk, B.N. Breizman, A. Fasoli, F. Nabais, S.D. Pinches, S.E. Sharapov, D. Testa and contributors to the EFDA-JET work programme.
- **9th European Fusion Theory Conference, Elsinore, Denmark, 17-19 October, 2001**
- “Influence of the relative position of ICRH resonant layer on the internal kink mode stability”
F. Nabais, D. Borba, M. Mantsinen, M.F.F. Nave, S. Sharapov and contributors to the EFDA-JET work programme.
- **43rd APS Meeting, Bulletin of the American Physical Society, October, 2001**
- “High confinement high density in quasi-stationary low triangularity ELMy H-mode discharges on JET with impurity seeding”
P. Dumortier, B.M. Jachmich, A. Messlaen, J. Ongena, H.R. Koslowski, J. Rapp, B. Unterberg, M. Nave, M.E. Puiatti, G. Telesca (Vol. 46, No. 8, GPI 40)
- “Control of impurity accumulation by central heating”
M.F.F. Nave, J. Rapp, T. Bolzonella, M. Valisa, M.E. Puiatti, R. Dux, M.J. Mantsinen, G. Telesca, J. Ongena, J. Strachan, M. Valovic and contributors to the EFDA-JET work programme (Vol. 46, No. 8, GPI 43)
- “Experimental studies of Alfvén mode stability and instability regimes on the JET tokamak”
D. Testa, A. Fasoli, F. Zonca, S. Briguglio, G. Vlad, T. Bolzonella, D. Borba (Vol. 46, No. 8, GPI 48)
- “Triggering of neo-classical tearing modes by mode coupling effects”
E. Lazzaro, M.F. Nave, R. Coelho, D. Borba, S. Nowak, F. Serra, (Vol. 46, No. 8, UPI 24)