

2015

PUBLICATIONS LIST

SUMMARY

International and national journals

Conference proceedings

Conference participations

Communications to National and International Workshops and Conferences

International and national journals

1. M. Spolaore, N. Vianello, I. Furno, D. Carralero, M. Agostini, J. A. Alonso, F. Avino, R. Cavazzana, G. De Masi, A. Fasoli, C. Hidalgo, E. Martines, B. Momo, A. Scaggion, P. Scarin, S. Spagnolo, G. Spizzo, C. Theiler and M. Zuin: “Electromagnetic turbulent structures: A ubiquitous feature of the edge region of toroidal plasma configurations” *Phys. Plasmas* **22**, 012310 (2015)
2. F J Casson, C Angioni, E A Belli, R Bilato, P Mantica, T Odstreil, T Pütterich, M Valisa, L Garzotti, C Giroud, J Hobirk, C F Maggi, J Mlynar, M L Reinke: “Theoretical description of heavy impurity transport and its application to the modelling of tungsten in JET and ASDEX upgrade” *Plasma Phys Contr F* **57**, 014031 (2015)
3. J C Flanagan, M Sertoli, M Bacharis, G F Matthews, P C de Vries, A Widdowson, I H Coffey, G Arnoux, B Sieglin, S Brezinsek, J W Coenen, S Marsen, T Craciunescu, A Murari, D Harting, A Cackett, E Hodille: “Characterising dust in JET with the new ITER-like wall” *Plasma Phys Contr F*, **57**, 014037 (2015)
4. A Murari, E Peluso, M Gelfusa, I Lupelli, M Lungaroni and P Gaudio: “Symbolic regression via genetic programming for data driven derivation of confinement scaling laws without any assumption on their mathematical form” *Plasma Phys Contr F*, **57**, 014008 (2015)
5. N Vianello, C Rea, M Agostini, R Cavazzana, G Ciaccio, G De Masi, E Martines, A Mazzi, B Momo, G Spizzo, P Scarin, M Spolaore, P Zanca, M Zuin, L Carraro, P Innocente, L Marrelli, M E Puiatti, D Terranova: “Magnetic perturbations as a viable tool for edge turbulence modification” *Plasma Phys Contr F*, **57**, 014027 (2015)
6. Paul M. Bellan and Roberto Paccagnella: “Magnetic axis safety factor of finite β spheromaks and transition from spheromaks to toroidal magnetic bubbles” *Phys. Plasmas* **22**, 022513 ((2015)
7. T Barbui, L Carraro, P Franz, P Innocente, S Munaretto and G Spizzo: “Light impurity transport studies with solid pellet injections in the RFX-mod reversed-field pinch” *Plasma Phys Contr F* **57**, 025006 (2015)
8. V. D. Pustovitov and V. V. Yanovskiy: “Rotational stabilization of the resistive wall modes in tokamaks with a ferritic wall” *Phys. Plasmas* **22**, 032509 (2015)
9. A Damone, A Panarese, C M Coppola, J Jansky, C Coletti, L Chiodo, G Serianni, V Antoni and S Longo: “Theoretical determination of the microstructure of Cs covering of Mo in negative ion sources for Nucl Fusion applications” *Plasma Phys Contr F* **57**, 035005 (2015)

10. P. Bettini, T. Bolzonella, M.F. Palumbo, M. Furno, S. Matsrostefano, G. Matsunaga, R. Specogna, M. Takechi, F. Villone: “Advanced Computational Tools for the Characterization of the Dynamic Response of MHD Control Systems in Large Fusion Devices” *IEEE T Magnet*, **51**, Issue 3, 7204105 (2015)
11. L Giudicotti and R Pasqualotto: “Rotational Raman scattering as a source of polarized radiation for the calibration of polarization-based Thomson scattering” *Plasma Phys Contr F* **57**, 035001 (2015)
12. Oreste Pezzi, Francesco Valentini and Pierluigi Veltri: “Nonlinear regime of electrostatic waves propagation in presence of electron-electron collision” *Phys. Plasmas* **22**, 042112 (2015)
13. T Koskela, M Romanelli, P Belo, O Asunta, S Sipilä, M O'Mullane, L Giacomelli, S Conroy, P Mantica, M Valisa, C Angioni, T Kurki-Suonio and JET-EFDA contributors: “Effect of tungsten off-axis accumulation on neutral beam deposition in JET rotating plasmas” *Plasma Phys Contr F*, **57**, 045001 (2015)
14. D Bonfiglio, M Veranda, S Cappello, D F Escande and L Chacón: “Helical self-organization in 3D MHD modelling of fusion plasmas” *Plasma Phys Contr F*, **57**, 044001 (2015)
15. F. Auriemma, R. Lorenzini, M. Agostini, L. Carraro, G. De Masi, A. Fassina, M. Gobbin, E. Martines, P. Innocente, P. Scarin, W. Schneide² and M. Zuin: “Characterization of particle confinement properties in RFX-mod at a high plasma current” *Nucl Fusion*, **55**, 043010 (2015)
16. R. Lorenzini, M. Agostini, F. Auriemma, L. Carraro, G. De Masi, A. Fassina, P. Franz, M. Gobbin, P. Innocente, M.E. Puiatti, P. Scarin, B. Zaniol and M. Zuin: “The isotope effect in the RFX-mod experiment” *Nucl Fusion*, **55**, 043012 (2015)
17. G. Spizzo, G. Pucella, O. Tudisco, M. Zuin, M. Agostini, E. Alessi, F. Auriemma, W. Bin, P. Buratti, L. Carraro, R. Cavazzana, G. Ciaccio, G. De Masi, B. Esposito, C. Galperti, S. Garavaglia, G. Granucci, M. Marinucci, L. Marrelli, E. Martines, C. Mazzotta, D. Minelli, A. Moro, M.E. Puiatti, P. Scarin, C. Sozzi, M. Spolaore, O. Schmitz, N. Vianello and R.B. White: “Density limit studies in the tokamak and the reversed-field pinch” *Nucl Fusion*, **55**, 043007 (2015)
18. P. Zanca, R. Paccagnella, C. Finotti, A. Fassina, G. Manduchi, R. Cavazzana, P. Franz, C. Piron and L. Piron: “An active feedback recovery technique from disruption events induced by $m = 2$, $n = 1$ tearing modes in ohmically heated tokamak plasmas” *Nucl Fusion*, **55**, 043020 (2015)
19. G. Albani, G. Croci, C. Cazzaniga, M. Cavenago, G. Claps, A. Muraro, F. Murtas, R. Pasqualotto, E. Perelli Cippo, M. Rebai: “Neutron beam imaging with GEM detectors” *J Inst*, **10**, C0140040, April (2015)
20. Murari, E. Peluso, M. Gelfusa, M. Lungaroni, P. Gaudio: “How to Handle Error Bars in Symbolic Regression for Data Mining in Scientific Applications”, *Statistical Learning and Data Sciences*, Volume 9047 of the series *Lecture Notes in Computer Science*, 347-355 April (2015)

21. C. Angioni, F. J. Casson, P. Mantica, T. Pütterich, M. Valisa, E. A. Belli, R. Bilato, C. Giroud, P. Helander and JET Contributors: “The impact of poloidal asymmetries on tungsten transport in the core of JET H-mode plasmas” *Phys. Plasmas* **22**, 055902 (2015)
22. Italo Predebon and P. Xanthopoulos: “Ion temperature gradient turbulence in helical and axisymmetric RFP plasmas” *Phys. Plasmas* **22**, 052308 (2015)
23. E. Peluso, M. Gelfusa, A. Murari, I. Lupelli, P. Gaudio: “A Statistical Analysis of the Scaling Laws for the Confinement Time Distinguishing between Core and Edge” *Physics Procedia*, **62**, 113–117 (2015)
24. G. Croci, C. Cazzaniga, G. Albani, A. Muraro, G. Claps, M. Cavenago, G. Grosso, F. Murtas, R. Pasqualotto, E. Perelli Cippo, M. Rebai, M. Tardocchi, G. Gorini: “Performance of a Medium-Size Area nGEM Detector for Neutron Beam Diagnostics” *Physics Procedia*, **62**, 118-123 (2015)
25. M. Spolaore, M. Agostini, B. Momo, C. Rea, N. Vianello, M. Zuin, R. Cavazzana, G. De Masi, P. Innocente, L. Marrelli, E. Martines, A. Mazzi, M.E. Puiatti, S. Spagnolo, G. Spizzo, P. Scarin, D. Terranova and P. Zanica: “Turbulent electromagnetic filaments in actively modulated toroidal plasma edge” *Nucl Fusion*, **55**, 063041, (2015)
26. Murari A., J. Vega, D. Mazon, T. Courregelongu, ·JET-EFDA Contributors: “Preliminary numerical investigations of conformal predictors based on fuzzy logic classifiers” *Ann Math Artif Intell*, **74**, Issue 1-2, 155-180 June (2015)
27. Vega I., A. Murari, S. Dormido-Canto, T. Cruz: “Simulations of Nucl Fusion diagnostics based on projections with Venn predictors and context drift detection” *Ann Math Artif Intell*, **74**, 223–244 (2015)
28. G. Giruzzi, J.F. Artaud, M. Baruzzo, T. Bolzonella, E. Fable, L. Garzotti, I. Ivanova-Stanik, R. Kemp, D.B. King, M. Schneider, R. Stankiewicz, W. Stępniewski, P. Vincenzi, D. Ward and R. Zagórski: “Modelling of pulsed and steady-state DEMO scenarios” *Nucl Fusion*, **55**, 073002, (2015)
29. Murari A., E. Peluso, M. Gelfusa, I. Lupelli and P. Gaudio: “A new approach to the formulation and validation of scaling expressions for plasma confinement in tokamaks” *Nucl Fusion*, **55**, 073009 (2015)
30. Umberto Rosani, Elena Tarricone, Paola Venier , Paola Brun, Velika Deligianni, Matteo Zuin, Emilio Martines, Andrea Leonardi , Paola Brun: “Atmospheric-Pressure Cold Plasma Induces Transcriptional Changes in Ex Vivo Human Corneas” *PLOS ONE*, **10** Issue: 7 e0133173 JUL (2015)
31. V. Toigo, D. Boilson, T. Bonicelli, R. Piovan, M. Hanada, A. Chakraborty, G. Agarici, V. Antoni, U. Baruah, M. Bigi, G. Chitarin, S. Dal Bello, H. Decamps, J. Graceffa, M. Kashiwagi, R. Hemsworth, A. Luchetta, D. Marcuzzi, A. Masiello, F. Paolucci, R. Pasqualotto, H. Patel, N. Pomaro, C. Rotti, G. Serianni, M. Simon, M. Singh, N.P. Singh, L. Svensson, H. Tobar, K. Watanabe, P. Zaccaria, P. Agostinetti, M. Agostini, R. Andreani, D. Aprile, M. Bandyopadhyay, M. Barbisan, M. Battistella, P. Bettini, P. Blatchford, M. Boldrin, F. Bonomo, E. Bragulat, M. Brombin, M. Cavenago, B. Chuilon, A. Coniglio, G. Croci, M. Dalla Palma, M. D'Arienzo, R. Dave, H. P. L De Esch, A. De Lorenzi, M. De Muri, R. Delogu, H. Dhola, U. Fantz, F. Fellin, L. Fellin, A. Ferro, A. Fiorentin, N. Fonnesu, P. Franzen, M. Fröschle, E. Gaio, G. Gambetta, G.

- Gomez, F. Gnesotto, G. Gorini, L. Grando, V. Gupta, D. Gutierrez, S. Hanke, C. Hardie, B. Heinemann, A. Kojima, W. Kraus, T. Maeshima, A. Maistrello, G. Manduchi, N. Marconato, G. Mico, J. F. Moreno, M. Moresco, A. Muraro, V. Muvvala, R. Nocentini, E. Ocello, S. Ochoa, D. Parmar, A. Patel, M. Pavei, S. Peruzzo, N. Pilan, V. Pilard, M. Recchia, R. Riedl, A. Rizzolo, G. Roopesh, G. Rostagni, S. Sandri, E. Sartori, P. Sonato, A. Sottocornola, S. Spagnolo, M. Spolaore, C. Taliercio, M. Tardocchi, A. Thakkar, N. Umeda, M. Valente, P. Veltri, A. Yadav, H. Yamanaka, A. Zamengo, B. Zaniol, L. Zanotto and M. Zaupa: “Progress in the realization of the PRIMA neutral beam test facility” *Nucl Fusion*, **55**, 083025, (2015)
32. G Rubino, D Borgogno, M Veranda, D Bonfiglio, S Cappello and D Grasso: “Detection of magnetic barriers in a chaotic domain: first application of finite time Lyapunov exponent method to a magnetic confinement configuration” *Plasma Phys Contr F*, **57** 085004 (2015)
33. B. Viola, V. Pericoli Ridolfini, N. Visona, G. Corrigan, D. Harting, G. Maddaluno, R. Zagórski: “Analysis of FAST snowflake divertor by EDGE2D/EIRENE” *J Nucl Mater*, **463**, 1205–1208, August (2015)
34. D A Ryan, Y Q Liu, A Kirk, W Suttrop, B Dudson, M Dunne, R Fischer, J C Fuchs, M Garcia-Munoz, B Kurzan, P Piovesan, M Reinke, M Willensdorfer, the ASDEX-Upgrade team and the EUROfusion MST1 team: “Toroidal modelling of resonant magnetic perturbations response in ASDEX-Upgrade: coupling between field pitch aligned response and kink amplification” *Plasma Phys Contr F* **57**, 095008 (2015)
35. H.P.L. de Esch, M. Kashiwagi, M. Taniguchi, T. Inoue, G. Serianni, P. Agostinetti, G. Chitarin, N. Marconato, E. Sartori, P. Sonato, P. Veltri, N. Pilan, D. Aprile, N. Fomesu, V. Antoni, M.J. Singh, R.S. Hemsworth and M. Cavenago: “Physics design of the HNB accelerator for ITER” *Nucl Fusion*, **55**, 096001, (2015)
36. M Gobbin, P Franz, F Auriemma, R Lorenzini and L Marrelli: “Spontaneous versus induced hydrogen and deuterium helical shaped plasmas with electron internal transport barriers” *Plasma Phys. Control. Fusion* **57** 095004 (2015)
37. Simona Corrao, Elena Tarricone, Andrea Leonardi, Brun Paola, Matteo Zuin, Emilio Martines: “In vitro and in vivo effects of helium cold plasma on wound healing” *Italian Journal of Anatomy and Embryology*, [S.l.], p. 136, Sep. (2015)
38. Ondrej Kudlacek, Paolo Zanca, Claudio Finotti, Giuseppe Marchiori, Roberto Cavazzana and Lionello Marrelli: “Real time measurement of plasma macroscopic parameters on RFX-mod using a limited set of sensors” *Phys. Plasmas* **22**, 102503 (2015)
39. G. Ciaccio, O. Schmitz, G. Spizzo, S. S. Abdullaev, T. E. Evans, H. Frerichs and R. B. White: “Helical modulation of the electrostatic plasma potential due to edge magnetic islands induced by resonant magnetic perturbation fields at TEXTOR” *Phys. Plasmas* **22**, 102516 (2015)
40. H.W. Müller, M. Bernert, D. Carralero, A. Kallenbach, B. Kurzan, A. Scarabosio, B. Sieglin, Tophøj I., N. Vianello, E. Wolfrum, ASDEX Upgrade Team: “Far scrape-off layer particle and heat fluxes in high density – High power scenarios” *J Nucl Mater*, **463**, 739–743 (2015)
41. J.S. Sarff, A.F. Almagri, J.K. Anderson, M. Borchardt, W. Cappechi, D. Carmody, K. Caspary, B.E. Chapman, D.J. Den Hartog, J. Duff, S. Eilerman, A. Falkowski, C.B. Forest, M. Galante, J.A. Goetz, D.J. Holly, J. Koliner, S. Kumar, J.D. Lee, D. Liu, K.J. McCollam, M. McGarry,

- V.V. Mirnov, L. Morton, S. Munaretto, M.D. Nornberg, P.D. Nonn, S.P. Oliva, E. Parke, M.J. Pueschel, J.A. Reusch, J. Sauppe, A. Seltzman, C.R. Sovinec, D. Stone, D. Theucks, M. Thomas, J. Triana, P.W. Terry, J. Waksman, G.C. Whelan, D.L. Brower, W.X. Ding, L. Lin, D.R. Demers, P. Fimognari, J. Titus, F. Auriemma, S. Cappello, P. Franz, P. Innocente, R. Lorenzini, E. Martines, B. Momo, P. Piovesan, M. Puiatti, M. Spolaore, D. Terranova, P. Zanca, V.I. Davydenko, P. Deichuli, A.A. Ivanov, S. Polosatkin, N.V. Stupishin, D. Spong, D. Craig, H. Stephens, R.W. Harvey, M. Cianciosa, J.D. Hanson, B.N. Breizman, M. Li and L.J. Zheng: “Overview of results from the MST reversed field pinch experiment” *Nucl Fusion*, **55**, 104006, (2015)
42. P.W. Terry, D. Carmody, H. Doerk, W. Guttenfelder, D.R. Hatch, C.C. Hegna, A. Ishizawa, F. Jenko, W.M. Nevins, I. Predebon, M.J. Pueschel, J.S. Sarff and G.G. Whelan: “Overview of gyrokinetic studies of finite- β microturbulence” *Nucl Fusion*, **55**, 104011, (2015)
43. M.E. Puiatti, S. Dal Bello, L. Marrelli, P. Martin, P. Agostinetti, M. Agostini, V. Antoni, F. Auriemma, M. Barbisan, T. Barbui, M. Baruzzo, M. Battistella, F. Belli, P. Bettini, M. Bigi, R. Bilel, M. Boldrin, T. Bolzonella, D. Bonfiglio, M. Brombin, A. Buffa, A. Canton, S. Cappello, L. Carraro, R. Cavazzana, D. Cester, L. Chacon, B.E. Chapman, G. Chitarin, G. Ciaccio, W.A. Cooper, M. Dalla Palma, S. Deambrosis, R. Delogu, A. De Lorenzi, G. De Masi, J.Q. Dong, D.F. Escande, B. Esposito, A. Fassina, F. Fellin, A. Ferro, C. Finotti, P. Franz, L. Frassinetti, M. Furno Palumbo, E. Gaio, F. Ghezzi, L. Giudicotti, F. Gnesotto, M. Gobbin, W.A. Gonzales, L. Grando, S.C. Guo, J.D. Hanson, S.P. Hirshman, P. Innocente, J.L. Jackson, S. Kiyama, M. Komm, L. Laguardia, C. Li, S.F. Liu, Y.Q. Liu, R. Lorenzini, T.C. Luce, A. Luchetta, A. Maistrello, G. Manduchi, D.K. Mansfield, G. Marchiori, N. Marconato, D. Marocco, D. Marcuzzi, E. Martines, S. Martini, G. Matsunaga, G. Mazzitelli, E. Miorin, B. Momo, M. Moresco, M. Okabayashi, E. Olofsson, R. Paccagnella, N. Patel, M. Pavei, S. Peruzzo, N. Pilan, L. Pigatto, R. Piovan, P. Piovesan, C. Piron, L. Piron, I. Predebon, C. Rea, M. Recchia, V. Rigato, A. Rizzolo, A.L. Roquemore, G. Rostagni, C. Ruset, A. Ruzzon, L. Sajò-Bohus, H. Sakakita, R. Sanchez, J.S. Sarff, E. Sartori, F. Sattin, A. Scaggion, P. Scarin, O. Schmitz, P. Sonato, E. Spada, S. Spagnolo, M. Spolaore, D.A. Spong, G. Spizzo, L. Stevanato, M. Takechi, C. Taliercio, D. Terranova, G.L. Trevisan, G. Urso, M. Valente, M. Valisa, M. Veranda, N. Vianello, G. Viesti, F. Villone, P. Vincenzi, N. Visona', Z.R. Wang, R.B. White, P. Xanthopoulos, X.Y. Xu, V. Yanovskiy, A. Zamengo, P. Zanca, B. Zaniol, L. Zanotto, E. Zilli and M. Zuin: “Overview of the RFX-mod contribution to the international Fusion Science Program “ *Nucl Fusion*, **55**, 104012, (2015)
44. G. De Tommasi, G. Manduchi, D.G. Muir, S. Ide, O. Naito, H. Urano, S. Clement-Lorenzo, N. Nakajima, T. Ozeki, F. Sartori: “Current status of the European contribution to the Remote Data Access System of the ITER Remote Experimentation Centre” *Fus Eng and Design* **96-97**, 769–771, October (2015)
45. Fernanda G. Rimini, Diogo Alves, Gilles Arnoux, Matteo Baruzzo, Eva Belonohy, Ivo Carvalho, Robert Felton, Emmanuel Joffrin, Peter Lomas, Paul McCullen, Andre Neto, Isabel Nunes, Cedric Reux, Adam Stephen, Daniel Valcarcel, Sven Wiesen, JET EFDA contributors: “The development of safe high current operation in JET-ILW” *Fus Eng and Design*, **96-97**, 165–170, October (2015)
46. Muraro A., G. Croci, G. Albani, C. Cazzaniga, G. Claps, M. Cavenago, G. Grosso, M. Dalla Palma, M. Fincato, F. Murtas, R. Pasqualotto, E. Perelli Cippo, M. Rebai, M. Tollin, M. Tardocchi, G. Gorini: “Status of the CNESM diagnostic for SPIDER” *Fus Eng and Design*, **96-97**, 311-314, October (2015)

47. G. Manduchi, A. Luchetta, C. Taliercio, A. Neto, F. Sartori, G. De Tommasi: “Integration of Simulink, MARTe and MDSplus for rapid development of real-time applications” *Fus Eng and Design*, **96-97**, 645–648, October (2015)
48. N. Marconato, P. Agostinetti, G. Chitarin: “Magnetic and thermo-structural design optimization of the Plasma Grid for the MITICA neutral beam injector” *Fus Eng and Design*, **96-97**, 517-521, October (2015)
49. L. Pigatto, P. Bettini, T. Bolzonella, G. Marchiori, F. Villone: “Optimal strategies for real-time sparse actuator compensation in RFX-mod MHD control operations” *Fus Eng and Design*, **96-97**, 690–693, October (2015)
50. Pierluigi Zaccaria, Matteo Valente, Wladi Rigato, Samuele Dal Bello, Diego Marcuzzi, Fabio Degli Agostini, Federico Rossetto, Marco Tollin, Antonio Masiello, Giorgio Corniani, Matteo Badalocchi, Riccardo Bettero, Dario Rizzetto: “Manufacturing, assembly and tests of SPIDER Vacuum Vessel to develop and test a prototype of ITER neutral beam ion source” *Fus Eng and Design*, **96-97**, 383–387, October (2015)
51. Marco Boldrin, Luca Grando, Alberto Pesce, Mauro Recchia, Vanni Toigo, Daniel Gutierrez, Muriel Simon, Giovanni Faoro, Andrea Guion, Edoardo Maggiora, Diego Pedron, Anita Roman, Hans Decamps: “The 100 kV Faraday cage (High Voltage Deck) for the SPIDER experiment” *Fus Eng and Design* **96-97**, 411–415, October (2015)
52. Michela De Muri, Marco Cavenago, Gianluigi Serianni, Pierluigi Veltri, Marco Bigi, Roberto Pasqualotto, Marco Barbisan, Mauro Recchia, Barbara Zaniol, Timour Kulevoy, Sergey Petrenko, Lucio Baseggio, Vannino Cervaro, Fabio Degli Agostini, Luca Franchin, Bruno Laterza, Alessandro Minarello, Federico Rossetto, Manuele Sattin, Simone Zucchetti: “Installation and first operation of the negative ion optimization experiment” *Fus Eng and Design*, **96-97**, 249–252, October (2015)
53. P. Agostinetti, M. Dalla Palma, F. Degli Agostini, D. Marcuzzi, A. Rizzolo, F. Rossetto, P. Sonato, P. Zaccaria: “Vacuum Tight Threaded Junctions (VTTJ): A new solution for reliable heterogeneous junctions in ITER” *Fus Eng and Design*, **96-97**, 48–55, October (2015)
54. S. Mastrostefano, P. Bettini, T. Bolzonella, M. Furno Palumbo, Y.Q. Liu, G. Matsunaga, R. Specogna, M. Takechi, F. Villone: “Three-dimensional analysis of JT-60SA conducting structures in view of RWM control” *Fus Eng and Design*, **96-97**, 659–663, October (2015)
55. Alberto Ferro, Elena Gaio, Luca Novello, Makoto Matsukawa, Katsuhiko Shimada, Yoichi Kawamata, Manabu Takechi: “Reference design of the power supply system for the resistive-wall-mode control in JT-60SA” *Fus Eng and Design*, **98-99**, 1053-1057, October (2015)
56. Marco Bigi, Luigi Rinaldi, Muriel Simon, Luca Sita, Giuseppe Taddia, Saverino Carrozza, Hans Decamps, Adriano Luchetta, Abdelraouf Meddour, Modesto Moressa, Cristiano Morri, Antonio Musile Tanzi, Mauro Recchia, Uwe Wagner, Andrea Zamengo, Vanni Toigo: “Design, manufacture and factory testing of the Ion Source and Extraction Power Supplies for the SPIDER experiment” *Fus Eng and Design*, **96-97**, 405–410, October (2015)
57. Adriano Luchetta, Gabriele Manduchi, Cesare Taliercio, Francesco Paolucci, Filippo Sartori, Lennart Svensson, Carmelo Vincenzo Labate, Mauro Breda, Roberto Capobianco, Federico

Molon, Modesto Moressa, Paola Simionato, Enrico Zampiva, Paolo Barbato, Sandro Polato: “Control and data acquisition of the ITER full-scale ion source for the neutral beam test facility” *Fus Eng and Design*, **96-97**, 512–516, October (2015)

58. Francesco Fellin, Marco Boldrin, Pierluigi Zaccaria, Piero Agostinetti, Manuela Battistella, Marco Bigi, Samuele Dal Bello, Mauro Dalla Palma, Aldo Fiorentin, Adriano Luchetta, Alberto Maistrello, Diego Marcuzzi, Edoardo Ocello, Roberto Pasqualotto, Mauro Pavei, Nicola Pomaro, Andrea Rizzolo, Vanni Toigo, Matteo Valente, Loris Zanotto, Luca Calore, Federico Caon, Massimo Caon, Michele Fincato, Gabriele Lazzaro, Michele Visentin, Enrico Zampiva, Simone Zucchetti: “Plant integration of MITICA and SPIDER experiments with auxiliary plants and buildings on PRIMA site” *Fus Eng and Design*, **96-97**, 257–260, October (2015)
59. N. Pilan, D. Marcuzzi, A. Rizzolo, L. Grando, G. Gambetta, S. Dalla Rosa, V. Kraemer, T. Quirnbach, G. Chitarin, R. Gobbo, G. Pesavento, A. De Lorenzi, L. Lotto, R. Rizzieri, M. Fincato, L. Romanato, L. Trevisan, V. Cervaro, L. Franchin: “Electrical and structural R&D activities on high voltage dc solidinsulator in vacuum” *Fus Eng and Design* **96-97**, 563–567, (2015)
60. M. Dalla Palma, E. Sartori, P. Blatchford, B. Chuilon, J. Graceffa, S. Hanke, C. Hardie, A. Masiello, A. Muraro, S. Ochoa, D. Shah, P. Veltri, P. Zaccaria, M. Zaupa: “Design and R&D for manufacturing the beamline components of MITICA and ITER HNBS” *Fus Eng and Design*, **96-97**, 557–562, , October (2015)
61. Paolo Bettini, Luca Grando, Giuseppe Marchiori: “Feasibility study of a local active correction system of magnetic field errors in RFX-mod” *Fus Eng and Design*, **96-97**, 649–653, October (2015)
62. Philippe Moreau, Pascal Spuig, Alain Le-luyer, Philippe Malard, Bruno Cantone, Patrick Pastor, François Saint-Laurent, George Vayakis, Dominique Delhom, Shakeib Arshad, Jonathan Lister, Matthieu Toussaint, Philippe Marmillod, Duccio Testa, Christian Schlatter, Simone Peruzzo: “Development of the ITER Continuous External Rogowski: From conceptual design to final design” *Fus Eng and Design*, **96-97**, 878–881, October (2015)
63. Paolo Bettini, Maurizio Furno Palumbo, Ruben Specogna: “A boundary element method for eddy-current problems in fusion devices” *Fus Eng and Design*, **96-97**, 620–623, October (2015)
64. Nicola Pomaro, Marco Boldrin, Gabriele Lazzaro: “The earthing system of the PRIMA Neutral Beam Test Facility based on the Mesh Common Bonding Network topology” *Fus Eng and Design*, **96-97**, 334–337, October (2015)
65. Chiara Bustreo, Tommaso Bolzonella, Giuseppe Zollino: “The Monte Carlo approach to the economics of a DEMO-like power plant” *Fus Eng and Design*, **98-99**, 2108–2111, October (2015)
66. Luca Novello, Olivier Baulaigue, Alberto Coletti, Nicolas Dumas, Alberto Ferro, Elena Gaio, Alessandro Lampasi, Alberto Maistrello, Makoto Matsukawa, Katsuhiko Shimada, Kunihito Yamauchi, Pietro Zito: “Overview of the new Magnet Power Supply Systems of JT-60SA procured by EU” *Fus Eng and Design*, **98-99**, 1122-1126, October (2015)

67. C. Finotti, E. Gaio, I. Song, J. Tao and I. Benfatto. “Improvement of the dynamic response of the ITER Reactive Power Compensation system” *Fus Eng and Design*, **98–99**, 1058–1062, (2015)
68. C. Rea, N. Vianello, M. Agostini, R. Cavazzana, G. De Masi, E. Martines, B. Momo, P. Scarin, S. Spagnolo, G. Spizzo, M. Spolaore and M. Zuin: “Comparative studies of electrostatic turbulence induced transport in presence of resonant magnetic perturbations in RFX-mod” *Nucl Fusion*, **55**, 113021, (2015)
69. P. Vincenzi, F. Koechl, L. Garzotti, D. B. King, E. Tindale, T. Bolzonella, P. T. Lang, B. Pegourié, M. Romanelli and R. Wenninger: “Fuelling and density control for DEMO” *Nucl Fusion*, **55**, 113028 (2015)
70. F. Ghezzi, L. Laguardia, R. Caniello, A. Canton, S. Dal Bello, B. Rais, M. Anderle: “XPS, SIMS and FTIR-ATR characterization of boronized graphite from the thermonuclear plasma device RFX-mod” *Appl Surf Sci*, **354**, Part B, 1, 408–419, November (2015)
71. L Giudicotti and R Pasqualotto: “On the calibration of polarimetric Thomson scattering by Raman polarimetry” *Plasma Phys Contr F* **57**, 125015 (2015)
72. B Cannas, P C de Vries, A Fanni, A Murari, A Pau, G Sias and JET Contributors: “Automatic disruption classification in JET with the ITER-like wall” *Plasma Phys Contr F*, **57**, 125003 (2015)
73. E. Sartori, G. Serianni, S. Dal Bello: “Simulation of the gas density distribution in the large vacuum system of a fusion-relevant particle accelerator at different scales” *Vacuum*, **122**, Part B, 275–285, December (2015)
74. L. A. Poggi, A. Malizia, J. F. Ciparisse, M. Gelfusa, A. Murari, S. Pierdiluca, E. Lo Re, P. Gaudio: “First Experimental Campaign to Demonstrate STARDUST-Upgrade Facility Diagnostics Capability to Investigate LOVA Conditions” *J Fusion Energ*, **34**, Issue 6, 1320-1330 December (2015)

Conference proceedings

REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies"

06-09 May 2015 / Riga / Latvia

Francesco Fellin, Vanni Antoni, Sergio Bobbo, Lorenzo Fellin, Cesare Pagura, Martina Spolaore, Abramo Pellizzon

“Energy Costs Division and Plant Modification in a Large Research Complex: the Experience of Padova National Research Council (CNR) Area”

Proceedings of REHVA Annual Conference "Advanced HVAC and Natural Gas Technologies"

06-09 May 2015 / Riga / Latvia

IEEE 15th International Conference on Environment and Electrical Engineering (EEEIC), Rome, Italy 10-13 June 2015

Loris Zanotto, Claudio Finotti, Vanni Toigo

“Overview of the Toroidal Power Supply system of RFX-mod after ten years of operation”

Proceedings of 2015 IEEE 15th International Conference on Environment and Electrical Engineering (EEEIC), Rome, Italy 10-13 June 2015, pages 926 - 931

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015,

P.Mantica, F.J.Casson, M.Valisa, C.Angioni, R.Bilato, E.Belonohy, C.Giroud,

M.Goniche, N.Hawkes, E. Lerche and JET contributors

Progress in understanding W control using ICRH in the JET-ILW tokamak

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.101

D. Carralero, H. J. Sun, S. A. Artene, P. Manz, H. W. Müller, M. Groth, M. Komm, J. Adamek, L. Aho-Mantila, G. Birkenmeier, M. Brix, U. Stroth, N. Vianello, E. Viezzer, M. Wischmeier, E. Wolfrum, ASDEX Upgrade Team, COMPASS Team and JET Contributors

“Towards a general scaling of the Scrape-off Layer density width”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, O2.106

M. Spolaore¹, K. Kovařík, J. Stöckel, J. Adamek, I. Ďuran, M. Komm, E. Martines, J. Seidl, N. Vianello and COMPASS Team

“ELM and inter-ELM electromagnetic filaments in the COMPASS Scrape Off Layer”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.107

R. Wenninger, R. Kemp, F. Maviglia, H. Zohm, R. Albanese, R. Ambrosino, F. Arbeiter, J. Aubert, C. Bachmann, W. Biel, E. Fable, G. Federici, J. Garcia, A. Loarte, Y. Martin, T. Pütterich, C. Reux, B. Sieglin, P. Vincenzi

“DEMO Exhaust Challenges Beyond ITER”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, Lisbon, Portugal, 22nd-26th June 2015, P4.110

B. Esposito, D. Carnevale, J.R. Martin-Solis, L. Boncagni, Z. Popovic, F. Causa, M. Agostini, E. Alessi, G. Apruzzese, W. Bin, P. Buratti, C. Cianfarani, R. De Angelis¹, S. Galeani, C. Galperti, S. Garavaglia, M. Gospodarczyk, A. Grosso, G. Granucci, G. Maddaluno, D. Marocco, C. Mazzotta, L. Panaccione, A. Pensa, V. Piergotti, S. Podda, G. Pucella, G. Ramogida, M. Riva, G. Rocchi, M. Sassano, A. Sibio, C. Sozzi, B. Tilia, O. Tudisco, M. Valisa, ECRH team and FTU team

“Runaway electron experiments in FTU”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.113

C.Mazzotta, M.E.Puiatti, L.Gabellieri, G.Apruzzese, V.Dolci, L.Carraro, F.Causa, A.Romano and the FTU team

“Neon transport simulation for highly peaked density FTU plasma”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.114

D Frigione, C Challis, J Garcia, J Hobirk, B Alper, G Artaserse, C Angioni, M Baruzzo, E Belonohy, R Bilato, A Brett, P Buratti, I Carvallho, F Casson, L Frassinetti, L Garzotti, E Giovannozzi, D Grist, NC Hawkes, E Lerche, J Mailloux, P Mantica, M Maslov, J Morris, G Pucella, E Rachlew, M Reich, F Rimini, ACC Sips, MF Stamp, P Tamain, M Tsalas, M Valisa, H Weisen and JET contributors”

“Overview of hybrid development in JET with ITER-Like Wall

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P2.116

P. Zanca, M. Okabayashi, R. Paccagnella, E.J. Strait, A.M. Garofalo, J.M. Hanson, Y. In, R.J. La Haye, L. Marrelli, P. Martin, P. Piovesan, C. Piron, L. Piron, D. Shiraki, F.A. Volpe, and the DIII-D and RFX-mod Teams

“Avoidance of $m=2, n=1$ tearing mode wall-locking by torque-balance control with magnetic feedback in DIII-D and RFX-mod”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P5.118

F. Felici, C.J. Rapson, W. Treutterer, L. Giannone, E. Maljaars, H. van den Brand, M. Reich, O. Sauter, A. Teplukhina, D. Kim, P. Piovesan, C. Piron, L. Barrera, M. Willensdorfer, A. Bock, E. Fable, B. Geiger, G. Tardini

“Real-time plasma profile state reconstruction on ASDEX-Upgrade”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, O4.127

R. Aledda, B. Cannas, A. Fanni, A Murari, A. Pau, G. Sias, the ASDEX Upgrade Team, the JET Contributors and the EUROfusion MST1 Team

“A comparative multivariate analysis of disruption classes between JET and AUG”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P2.137

C. Piron, F. Felici, D. Kim, C.J. Rapson, M. Reich, O. Sauter, T. Goodman, W. Treutterer, H. van den Brand, I. Chapman, the ASDEX Upgrade Team, C. Finotti, G. Manduchi, G. Marchiori, L. Marrelli, O. Kudlacek, P. Piovesan, C. Taliercio, the RFX-mod Team and the EUROfusion MST1 Team

“Real-time simulation of internal profiles in the presence of sawteeth using the RAPTOR code and applications to ASDEX Upgrade and RFX-mod”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.145

S. Mastrostefano, P. Bettini, T. Bolzonella, V. Igochine, Y. Liu, F. Villone and D. Yadykin

“MHD modes analysis in high-beta ASDEX Upgrade configurations including a 3D model of conductors”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.149

P. Vincenzi, S. Murakami, M. Osakabe, R. Seki, M. Yokoyama, T. Bolzonella

“NBI modelling by upgraded TASK3D-a code in preparation of LHD deuterium campaigns”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.150

S. Costea, J.J. Rasmussen, N. Vianello, H.W. Müller, V. Naulin, R. Schrittwieser, A.H. Nielsen, J. Madsen, C. Ionita, M. Spolaore, D. Carralero, F. Mehlmann

“Investigation on radial transport of perpendicular momentum in the SOL of AUG during L-I-H transition”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.151

B. Zaniol, T. Bolzonella, R. Cavazzana, P. Innocente, P. Zanca and M. Zuin

“Studies on RFX-mod discharges with spontaneous rotation”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.153

O. Kudlacek, R. Cavazzana, C. Finotti, G. Marchiori, L. Marrelli, P. Piovesan, P. Zanca, M. Zuin

“H-mode accessibility in ohmic discharges on RFX-mod”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.154

F. Auriemma, F. Sattin, G. Urso, D. F. Escande

“Exploiting genetic algorithms in transport modelling in RFX-mod”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.157

M. Zuin, L. Stevanato, E. Martines, F. Auriemma, B. Momo, R. Cavazzana, G. De Masi, W. Gonzalez, R. Lorenzini, P. Scarin, S. Spagnolo, M. Spolaore, N. Vianello, W. Schneider, D. Cester, G. Nebbia, L. Sajo-Bohus, G. Viesti

“Characterization of Particle Dynamics and Magnetic Reconnection in the RFX-mod Plasmas”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.158

D. Abate, L. Barbato, C. Finotti, G. Marchiori, N. Marconato, S. Mastrostefano, F. Villone
“Analysis of Vertical Stability and Resistive Wall Modes in RFX-mod Tokamak Discharges Including 3D Effects”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.159

B. Liu, M. Spolaore, U. Losada, A. Alonso, M.A. Pedrosa, T. Estrada, B.Ph. van Milligen, N. Vianello, C. Hidalgo and the TJ-II team
“Electromagnetic turbulence measurements during the L-H transition in the TJ-II stellarator”
42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P4.166

L.A. Poggi, A. Malizia, J.F. Ciparisse, M. Gelfusa, A. Murari, S. Pierdiluca, E. Lo Re, and P. Gaudio

“Experimental campaign to test the capability of STARDUST-Upgrade diagnostics to investigate LOVA and LOCA conditions”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P2.176

V.V. Yanovski and R. Paccagnella

“Plasma surface currents in the presence of a resistive wall and their connection to Halo currents during disruptions in tokamaks”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.181

Y. Zhang, F. Auriemma, A. Fassina, D. Lopez-Bruna, R. Lorenzini, E. Martines, B. Momo, F. Sattin and D. Terranova

“Multiple domain scheme for heat transport analysis in plasmas with magnetic islands: a first study”

42nd EPS Conference on Plasma Physics, Lisbon, Portugal, 22nd-26th June 2015, P1.182

**FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015**

T. Bolzonella

“Advanced active feedback schemes for MHD studies in hot magnetized plasmas”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, 029, 2015

P. Vincenzi, T. Bolzonella

“Energetic neutral particle beam interaction with thermonuclear plasmas: from present day experiments”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, P203, 2015

Predebon I., P. Xantopoulos

“Microturbulence in helical and axisymmetric reversed field pinch plasmas”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, P153, 2015

S. Cappello, M. Veranda, D. Bonfiglio, Chacon, D. Escande, P. Franz, M. Gobbin, M.E. Puiatti and RFX team

“Macroscopic dynamics, optimization and transport barrier formation in Reversed Field Pinch plasmas”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, 024, 2015

D. Grasso, D. Bonfiglio, D. Borgogno, S. Cappello, G. Rubino, M. Veranda

“Transport processes in chaotic magnetic field configuration: the Quasi-Single-Helicity states in RFX-mod”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, 264, 2015

Massimo Nocente, F. Bonomo, U. Fantz, B. Heinemann, W. Kraus, R. Pasqualotto, M. Tardocchi, D. Wunderlich, G. Gorini

“Neutron emission from beam-target reactions studied at the ELISE neutral beam test facility”

FISMAT 2015, Italian National Conference on Condensed Matter Physics, Palermo, Italy
September 28 - October 2, 2015 - Book of abstracts, 095, 2015

Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014

V. Antoni, P. Agostinetti, M. Brombin, V. Cervaro, R. Delogu, M. De Muri, D. Fasolo, L. Franchin, R. Ghiraldelli, K. Ikeda, M. Kasaki, F. Molon, A. Muraro, H. Nakano, R. Pasqualotto, G. Serianni, Y. Takeiri, M. Tollin, K. Tsumori and P. Veltri

“Design, installation, commissioning and operation of a beamlet monitor in the negative ion beam test stand at NIFS “

Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014

AIP Conf. Proc. 1655, 060005 (2015)

P. Veltri, M. Cavenago and C. Baltador

“Design of the new extraction grid for the NIO1 negative ion source”

Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 050009 (2015)

B. Zaniol, M. Barbisan, M. Cavenago, M. De Muri, A. Mimo, R. Pasqualotto and G. Serianni
“NIO1 diagnostic”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060010 (2015)

N. Fomesu, P. Agostinetti, G. Serianni, M. Kasaki and P. Veltri
“A multi-beamlet analysis of the MITICA accelerator”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 050008 (2015)

F. Bonomo, B. Ruf, M. Barbisan, S. Cristofaro, L. Schiesko, U. Fantz, P. Franzen, R. Pasqualotto, R. Riedl, G. Serianni, D. Wunderlich and the NNBI-Team
“BATMAN beam properties characterization by the beam emission spectroscopy diagnostic”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060009 (2015)

P. Franzen, D. Wunderlich, R. Riedl, R. Nocentini, F. Bonomo, U. Fantz, M. Fröschle, B. Heinemann, C. Martens, W. Kraus, A. Pimazzoni, B. Ruf and NNBI Team
“Status of the ELISE test facility”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060001 (2015)

G. Chitarin, P. Agostinetti, D. Aprile, N. Marconato and P. Veltri
“Improvements of the magnetic field design for SPIDER and MITICA negative ion beam sources”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 040008 (2015)

G. Serianni, F. Bonomo, M. Brombin, V. Cervaro, G. Chitarin, S. Cristofaro, R. Delogu, M. De Muri, D. Fasolo, N. Fomesu, L. Franchin, P. Franzen, R. Ghiraldelli, F. Molon, A. Muraro, R. Pasqualotto, B. Ruf, L. Schiesko, M. Tollin and P. Veltri
“Negative ion beam characterisation in BATMAN by mini-STRIKE: Improved design and new measurements”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060007 (2015)

R. Nocentini, F. Bonomo, A. Pimazzoni, U. Fantz, P. Franzen, M. Fröschle, B. Heinemann, R. Pasqualotto, R. Riedl, B. Ruf and D. Wunderlich
“Advanced ion beam calorimetry for the test facility ELISE”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060006 (2015)

E. Sartori, P. Veltri, E. Dlougach, R. Hemsworth, G. Serianni and M. Singh
“Benchmark of numerical tools simulating beam propagation and secondary particles in ITER NBI”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 050006 (2015)

M. Cazzador, M. Cavenago, G. Serianni and P. Veltri
“Semi-analytical modeling of the NIO1 source”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 020014 (2015)

R. Pasqualotto, G. Serianni, I. Mario, P. Veltri, M. Zanini, V. Cervaro and D. Fasolo
“A wire calorimeter for the SPIDER beam: Experimental tests and feasibility study”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 060008 (2015)

P. Veltri, M. Cavenago, G. Chitarin, D. Marcuzzi, E. Sartori, G. Serianni and P. Sonato
“Electrostatic steering and beamlet aiming in large neutral beam injectors”
Fourth International Symposium On Negative Ions, Beams And Sources (Nibs 2014) Garching, Germany 6–10 October 2014
AIP Conf. Proc. 1655, 050005 (2015)

SPIE 9643, Image and Signal Processing for Remote Sensing, October 15, 2015

M. Gelfusa, A. Murar, A. Malizia, M. Lungaroni, E. Peluso, S. Parracino, S. Talebzadeh, J. Vega, P. Gaudio
“Advanced signal processing based on support vector regression for lidar applications”
Proc. SPIE 9643, Image and Signal Processing for Remote Sensing XXI, 96430E (October 15, 2015 Conference Volume 9643

Conference participation

10th IAEA Technical Meeting on Control, Data Acquisition and Remote Participation for Fusion Research, Gujarat, India, 20-24 April 2015

G. Manduchi, T.W.Fredian, J. A. Stillerman, A. Neto, F. Sartori
“Fast development of real-time applications using MDSplus and MARTE frameworks”
10th IAEA Technical Meeting on Control, Data Acquisition and Remote Participation for Fusion Research, Gujarat, India, 20-24 April 2015, Proceedings to be published in a special issue of Fusion Engineering and Design

G. Manduchi, A. Luchetta, C. Taliercio
“Integrating Supervision, Control and data Acquisition” “ The ITER Neutral Beam Test Facility experiment”

10th IAEA Technical Meeting on Control, Data Acquisition and Remote Participation for Fusion Research, Gujarat, India, 20-24 April 2015, Proceedings to be published in a special issue of Fusion Engineering and Design

26th IEEE Symposium on Fusion Engineering (SOFE) May 31-June 4, 2015, Austin, Texas USA

C. Finotti, E. Gaio, I. Benfatto, I. Song, J. Tao

“Continuous state space model of the ITER ac/dc converters for stability analysis of the Pulsed Power Electrical Network” SP12-46

E. Gaio, A. Ferro, L. Novello, M. Matsukawa

“Si-sic based switching power amplifier for MHD control in fusion experiments” SO13-5 (invited)

M. Brombin, R. Ghirardelli, F. Molon, N. Pomaro, G. Serianni, R. Pasqualotto

“Development of readout electronics for NIO1 thermocouples” SP2-2

A. Maistrello, E. Gaio, A. Ferro, F. Baldo, M. Perna, C. M. Panizza, S. D'Arrigo, M. Povolero, L. Novello, M. Matsukawa, K. Yamauchi: “Installation, Commissioning and Acceptance Tests of the JT-60SA Quench Protection Circuit” SP12-45

S. Peruzzo, M. Brombin, M. Furno Palumbo, W. Gonzalez, N. Marconato, A. Rizzolo, S. Arshad, Y. Ma, G. Vayakis: “Progress in the design of the in-vessel magnetic pick-up coils for ITER” SP2-31

D. Marcuzzi, P. Agostinetti, M. Dalla Palma, M. De Muri, G. Chitarin, G. Gambetta, N. Marconato, R. Pasqualotto, M. Pavei, N. Pilan, A. Rizzolo, G. Serianni, V. Toigo, L. Trevisan, M. Visentin, P. Zaccaria, M. Zaupa, D. Boilson, J. Graceffa, R. S. Hemsworth, C. H. Choi, M. Marti, K. Roux, M. J. Singh, A. Masiello, M. Froeschle, B. Heinemann, R. Nocentini, R. Riedl, H. Tobari, H. P. L. de Esch, V. N. Muvvala: “Final Design of the Beam Source for the MITICA Injector” SP13-60

O. Kudlacek, B. B. Carvalho, H. Figueiredo, H. Fernandes, G. Marchiori: “Measurement of Plasma Centroid Position on ISTTOK Using Cleaned Magnetic Signals” SP2-21

J. Vega, A. Murari, S. Dormido-canto, R. Moreno, A. Pereira, G. A. Ratta, J. ET Contributors: “Disruption Precursor Detection: Combining the Time and Frequency Domains” SO18-2 (invited)

H. Patel, C. Rotti, M. V. Nagaraju, A. Chakraborty, B. Schunke, J. Chareyre, D. Boilson, L. Svensson, M. Dalla Palma, P. Zaccaria, P. Roberto, E. Pfaff, J. Schafer, C. Eckardt: “Manufacturing Experience of Beam Dump for Spider Facility” SO20-5

T. Franke, K. Avramidis, G. Granucci, J. Jelonnek, I. Jenkins, M. Kalsey, J. -M. Noterdaeme, A. Simonin, P. Sonato, M. Q. Tran: “On the Present Status of the EU DEMO H&CD Systems, Technology, Functions and Mix” SP13-63

L. Novello, O. Baulaigue, A. Coletti, N. Dumas, A. Ferro, E. Gaio, A. Lampasi, A. Maistrello, M. Matsukawa, K. Shimada, K. Yamauchi, P. Zito: “Advancement on the Procurement of Power Supply Systems for JT-60SA” SO13-7 (invited)

12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015

M. Dalla Palma

“Hardening parameters for cyclic loadings of austenitic stainless steels 304L, 316L, 316L-N-04” P1.088, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

N. Marconato, A. Rizzolo, M. Brombin, W. Gonzalez, S. Peruzzo, S. Arshad, Y. Ma and G. Vayakis

“Electro-mechanical connection system for ITER in-vessel magnetic sensors” -09, P1.184, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

E. Sartori, P. Veltri, M. Dalla Palma, P. Agostinetti, G. Serianni, R. Hemsworth, M. Singh
“Solutions to mitigate heat loads due to electrons on sensitive components of ITER HNB beamlines” -01, P2.015, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

M. Dalla Palma, P. Blatchford, A. Muraro, E. Sartori, E. Delmas, J. Graceffa, R. Pasqualotto, L. Svensson, P. Zaccaria, G. Mico Montava

“Design of safety important feedthroughs for ITER HNB injectors” -06, P3.121, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

M. Dalla Palma, R. Pasqualotto, N. Pomaro E. Delmas, L. Svensson, G. Mico Montava

“Design of thermocouple connectors for ITER HNB injectors”-06, P3.126, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

Piero Agostinetti, G. Chitarin, Gambetta, D.

“Two key improvements to enhance the thermo-mechanic performances of accelerator grids for neutral beam injectors”-08, P3.156, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

Nisarg Hasmukhbhai Patel, M. Dalla Palma, P. Sonato

“Vacuum boundary modifications of the RFX-mod machine”-06, P1.125, 12th International Symposium on Fusion Nuclear Technology, Jeju Island, Korea, September 14-18, 2015, Proc. to be published on Fusion Engineering and Design, special issue (ISFNT-12)

ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York

Diego Marcuzzi, P. Agostinetti, M. Dalla Palma, M. De Muri, G. Chitarin, G. Gambetta, N. Marconato, R. Pasqualotto, M. Pavei, N. Pilan, A. Rizzolo, G. Serianni, V. Toigo, L. Trevisan, M. Visentin, P. Zaccaria, M. Zaupa, D. Boilson, J. Graceffa, R. S. Hemsworth, C. H. Choi, M. Marti, K. Roux, M. J. Singh, A. Masiello, M. Froeschle, B. Heinemann, R. Nocentini, R. Riedl, H. Tobari, H. P. L. de Esch, V. N. Muvvala: “Final Design of the Beam Source for the MITICA Injector”

Oral – - ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev Sci Instrum

P. Agostinetti, M. Giacomini, G. Serianni, P. Veltri, F. Bonomo and L. Schiesko
“Preliminary results concerning the simulation of beam profiles from extracted ion current distributions for mini-STRIKE”

Proceedings will be published as a special issue of Rev Sci Instrum

E. Sartori, T. J. Maceina, P. Veltri, M. Cavenago and G. Serianni
“Simulation of space charge compensation in a multibeamlet negative ion beam”

Proceedings will be published as a special issue of Rev Sci Instrum

P. Agostinetti, G. Serianni, P. Veltri

“Simulation of beam profiles from extracted ion current distributions for mini-STRIKE”

MonPE01- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Rita S. Delogu, Carlo Poggi, Antonio Pimazzoni, G. Rossi, Gianluigi Serianni

“Analysis of diagnostic calorimeter data by the transfer function technique”

MonPE07- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Simone Peruzzo, Vannino Cervaro, Mauro Dalla Palma, Rita Delogu, Michela De Muri, Daniele Fasolo, Luca Franchin, Roberto Pasqualotto, Antonio Pimazzoni, Andrea Rizzolo, Marco Tollin, and Gianluigi Serianni

“Castellated tiles as the beam-facing components for the diagnostic calorimeter of the negative ion source SPIDER”

MonPE22- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

E. Sartori, P. Veltri, M. Cavenago, G. Serianni

“Gas Flow and Density Profile in NIO1 Accelerator and Vessel”

MonPE25- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

E. Sartori, P. Veltri, M. Cavenago and G. Serianni

“Background gas density and beam losses in NIO1 beam source “

Proceedings will be published as a special issue of Rev. Sci. Instrum.

Gianluigi Serianni, Piero Agostinetti, Vanni Antoni, Carlo Baltador, Marco Cavenago, Giuseppe Chitarin, Nicolò Marconato, Roberto Pasqualotto, Emanuele Sartori, Vanni Toigo, Pierluigi Veltri

“Numerical Simulations of the First Operational Conditions of the Negative Ion Test Facility SPIDER”

MonPE28- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

C. Baltador, P. Veltri, P. Agostinetti, G. Chitarin, G. Serianni

“Multi-beamlet investigation of the deflection compensation methods of SPIDER beamlets”

MonPE02- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Nicola Pilan, Vanni Antoni, Antonio De Lorenzi, Giuseppe Chitarin, Pierluigi Veltri and Emanuele Sartori

“Beam deflection applied to Neutral Beam Injection for a Fusion Devices reactor”

TuePE26- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Silvia Spagnolo, Monica Spolaore, Mauro Dalla Palma, Roberto Pasqualotto, Emanuele Sartori, Gianluigi Serianni, and Pierluigi Veltri

“Preliminary Design of Electrostatic Sensors for MITICA Beam Line Components”

TuePS24- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

P. Veltri, V. Antoni, P. Agostinetti¹, M. Brombi¹, K. Ikeda², M. Kisak², H. Nakan², E. Sartori¹, G. Serianni¹, Y. Takeiri² and K. Tsumori²

“Optics of the NIFS Negative ion source test stand by infrared calorimetry and numerical modeling”

TuePS34- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

M. Cavenago, G. Serianni, M. De Muri, P. Agostinetti, V. Antoni, C. Baltador, M. Barbisan, L. Baseggio, M. Bigi, V. Cervaro, F. Degli Agostini, E. Fagotti, T. Kulevoy, N. Ippolito, B. Laterza, A. Minarello, M. Maniero, R. Pasqualotto, S. Petrenko, M. Poggi, D. Ravarotto, M. Recchia, E. Sartori, M. Sattin, P. Sonato, F. Taccogna, V. Variale, P. Veltri, B. Zaniol, L. Zanotto and S. Zucchetti

“First experiments with the negative ion source NIO1”

TuePS34- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

M. Barbisan, C. Baltador, B. Zaniol, M. Cavenago, U. Fantz, R. Pasqualotto, G. Serianni, D. Wunderlich

“First hydrogen operation of NIO1: characterization of the source plasma by means of an optical emission spectroscopy diagnostic”

ThuPE01- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

A. Fassina, F. Pretato, M. Barbisan, L. Giudicotti, R. Pasqualotto

“Feasibility Study of a NBI Photoneutralizer Based on Nonlinear Gating Laser Recirculation”

ThuPE02- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Michela De Muri, Mauro Pavei, Federico Rossetto, Diego Marcuzzi, Enrico Miorin, Silvia M. Deambrosio

“Design optimization of RF lines in vacuum environment for the MITICA experiment”

ThuPE05- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Giuseppe Chitarin, Piero Agostinetti, Daniele Aprile, Nicolò Marconato, Diego Marcuzzi, Gianluigi Serianni, Pierluigi Veltri, Pierluigi Zaccaria

“Off-normal and failure condition analysis of the MITICA negative-ion Accelerator”

ThuPE03- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

E. Sartori, L. Brescaccin, G. Serianni

“Simulation of diatomic gas-wall interaction and accommodation coefficients for Negative Ion Sources and accelerators”

ThuPE14- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Mauro Pavei, Bernd Böswirth, Henri Greuner, Diego Marcuzzi, Andrea Rizzolo, Matteo Valente

“Development and tests of Molybdenum armed copper components for MITICA ion source”

ThuPE13- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Pierluigi Veltri and Emanuele Sartori

“Transmission of electrons inside the cryogenic pumps of ITER Neutral Beam Injector”

ThuPE20- ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

M. Zaupa, E. Sartori, M. Dalla Palma, F. Fellin, D. Marcuzzi, M. Pavei, A. Rizzolo

“Steady state thermal-hydraulic analysis of the MITICA experiment cooling Circuits”

ThuPE23 - ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

Nicola Fomesu, Marco Cavenago, Gianluigi Serianni and Pierluigi Veltri

“Particle Transport and Heat Loads in NIO1”

TuePS33 - ICIS 2015 - 16th International Conference on Ion Sources, August 23 - 28, 2015, New York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

V. Variale, M. Cavenago, P. Agostinetti, P. Sonato and L. Zanotto

“Ion collector design for an energy recovery test proposal with the negative ion source NIO1”

York, Proceedings will be published as a special issue of Rev. Sci. Instrum.

LAPD2015 17th International Symposium on Laser-Aided Plasma Diagnostics, 27th Sep.-1st Oct. 2015, Chateraise Gateaux Kingdom Sapporo, Hokkaido, JAPAN

L. Giudicotti, M. Bassan, F. P. Orsitto, R. Pasqualotto, M. Kempenaars

“Conceptual study of a polarimetric Thomson scattering diagnostic in ITER”

LAPD2015 17th International Symposium on Laser-Aided Plasma Diagnostics, 27th Sep.-1st Oct. 2015, Chateraise Gateaux Kingdom Sapporo, Hokkaido, JAPAN , proceedings will be published in a special issue of the Journal of Instrumentation (JINST)

25th International Toki Conference (ITC-25), November 3-6, 2015, Ceratopia Toki, Toki-city, Gifu, JAPAN

P. Vincenzi, S. Murakami, M. Osakabe, R. Seki, M. Yokoyama, T. Bolzonella

“Analysis of LHD NBI-plasma interaction with upgraded FIT3D code of TASK3D-a analysis transport suite”

25th International Toki Conference (ITC-25), November 3-6, 2015, Ceratopia Toki, Toki-city, Gifu, JAPAN, Proceedings to be published in Plasma and Fusion Research

G. Serianni, P. Agostinetti, V. Antoni, D. Aprile, C. Baltador, M. Cavenago, G. Chitarin, N. Marconato, D. Marcuzzi, E. Sartori, P. Sonato, V. Toigo, P. Veltri, P. Zaccaria, “The full-size source and injector prototypes for ITER neutral beams” invited
25th International Toki Conference (ITC-25), November 3-6, 2015, Ceratopia Toki, Toki-city, Gifu, JAPAN, Proceedings to be published in Plasma and Fusion Research

Communications to National and International Workshops and Conferences

V. Antoni and the NBI Team

“The R&D activities for the Neutral Beam Injector development at Consorzio RFX”
Complex Plasma Phenomena in the Laboratory and in the Universe
Accademia Nazionale dei Lincei, Roma, Italy, January 19-20, 2015

First EPS Conference on Plasma Diagnostics - 1st ECPD, 14-17 April 2015, Villa Mondragone, Frascati (Rome) Italy

R. Pasqualotto, M. Agostini, M. Barbisan, F. Bonomo, M. Brombin, G. Croci, M. Dalla Palma, R. S. Delogu, M. De Muri, N. Fonnesu, G. Gorini, A. Muraro, N. Pomaro, G. Serianni, S. Spagnolo, M. Spolaore, M. Tardocchi, B. Zaniol
“Overview of diagnostics on ITER neutral beam test facility”
First EPS Conference on Plasma Diagnostics - 1st ECPD 14-17 April 2015, Villa Mondragone, Frascati (Rome) Italy

J. Vega, R. Moreno, A. Pereira, S. Dormido-Canto, A. Murari, JET Contributors
“Advanced Disruption Predictor Based on the Locked Mode signal: Application to JET”
First EPS Conference on Plasma Diagnostics - 1st ECPD, 14-17 April 2015, Villa Mondragone, Frascati (Rome) Italy

Giornate Nazionali della saldatura 8, Genova, Italy 28-29 maggio 2015

Dalla Palma Mauro, Michele Lanza
“Progetto mitica: iniettore prototipo di particelle neutre per il progetto ITER. ASPETTI DI fabbricazione”
Giornate Nazionali della saldatura 8, Genova, Italy 28-29 maggio 2015

8th Festival de Théorie "Pathways to Relaxation" 6–24 July 2015 Aix-en-Provence, France

Susanna Cappello “Relaxation processes in the Reversed Field Pinch: results & open issues”
invited Tutorial + invited Lecture 8th Festival de Théorie "Pathways to Relaxation" 6–24 July 2015 Aix-en-Provence, France

32nd ICPIG, July 26-31, 2015, Iași, Romania

A Damone, A Panarese, C M Coppola, J Jansky, C Coletti, L Chiodo, G Serianni, V Antoni and S Longo

“Ab initio modeling of Cs-Mo interfaces in negative ion sources”

32nd ICPIG, July 26-31, 2015, Iași, Romania

V. Antoni, P. Agostinetti, M. Cavenago, G. Chitarin, S. Longo, R. Pasqualotto, E. Sartori, G. Serianni, F. Taccogna, P. Veltri

“The status of negative ions R&D for Fusion Applications”

32nd ICPIG, July 26-31, 2015, Iași, Romania

597th Wilhelm and Else Heraeus Seminar Stochasticity in Fusion Plasmas 10th–12th September 2015 Physikzentrum Bad Honnef, Germany

Susanna Cappello “Chaos healing and transport barrier formation in reversed-field pinch plasmas, achievements and open issues” invited talk

597th Wilhelm and Else Heraeus Seminar Stochasticity in Fusion Plasmas 10th–12th September 2015 Physikzentrum Bad Honnef, Germany

European Fusion Theory Conference 2015, Lisbon, Portugal, 5th - 8th October of 2015

Predebon Italo, Xanthopoulos

“ITG turbulence in finite-beta helical and axisymmetric reversed field pinch plasmas”

European Fusion Theory Conference 2015, Lisbon, Portugal, 5th - 8th October of 2015

20th International Stellarator-Heliotron Workshop (ISHW) October 5 - 9, 2015, Greifswald, Germany

Spolaore Monica M. Agostini, B. Momo, C. Rea, N. Vianello, M. Zuin, R. Cavazzana, G. De Masi, P. Innocente, L. Marrelli, E. Martines, M. E. Puiatti, S. Spagnolo, G. Spizzo, P. Scarin, P. Zanca

“3D active modulation of edge topology in toroidal devices: effects on turbulent EM filaments”

oral presentation

20th International Stellarator-Heliotron Workshop (ISHW) October 5 - 9, 2015, Greifswald, Germany

Scarin Paolo, M. Agostini, G. Spizzo, M. Spolaore, N. Vianello

“3D anharmonic topology of RFX-mod edge”

20th International Stellarator-Heliotron Workshop (ISHW) October 5 - 9, 2015, Greifswald, Germany

Bonfiglio Daniele, S. Cappello, M. Veranda, L. Chacon and D. F. Escande

“3D MHD simulations of stellarator plasmas with SPECYL and PIXIE3D codes”

20th International Stellarator-Heliotron Workshop (ISHW) October 5 - 9, 2015, Greifswald, Germany

RFP Workshop 2015, 26-30 October 2015, Hefei, China

M.E. Puiatti for the RFX-mod team

“Overview of recent achievements and perspectives for RFX-mod”

RFP Workshop 2015, 26-30 October 2015, Hefei, China

L. Marrelli
“Tokamak experiments in RFX-mod”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

Roberto Cavazzana, with the support of the whole RFX-Team
“Operational Scenarios in RFX-mod”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

L. Zanotto for the RFX team
“Upgrades of Power Supplies for RFX-mod2”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

P.Sonato On behalf of RFX-Team
“RFX-mod2: status of the design activities, a set of modifications to increase the experimental features”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

M. Veranda, D. Bonfiglio, S. Cappello, L. Chacón¹, D.F. Escande, RFX Team
“MHD dynamics and magnetic transport barriers formation in the reversed-field pinch”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

F. Auriemma, A. Fassina, D. Lopez Bruna, R. Lorenzini, E. Martines, B.Momo, D. Terranova, F. Sattin, Y. Zhang
“Transport analysis in plasmas with magnetic islands”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

R. Lorenzini, F. Auriemma, A. Fassina, E. Martines, D. Terranova, F. Sattin
“Quasi Separatrix Layers and ITBs in RFX-mod”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

M. Agostini, P.Scarin, L.Carraro, R.Cavazzana, G.Spizzo, M.Spolaore, N.Vianello
“Plasma edge deformation with 3D magnetic field”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

R. Lorenzini, M. Agostini, F. Auriemma, L. Carraro, G. De Masi, A. Fassina, P. Franz, M. Gobbin, P. Innocente, M.E. Puiatti, P. Scarin, B. Zaniol, M. Zuin
“The isotope effect in RFX-mod”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

A.Canton, L.Carraro, RFX-mod team
“W samples and tiles exposure in RFX-mod”
RFP Workshop 2015, 26-30 October 2015, Hefei, China

APS
57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015,
Savannah, Georgia

Matteo Agostini, Paolo Scarin, Lorella Carraro, Gianluca Spizzo, Monica Spolaore, Nicola Vianello
“Poloidal structure of the plasma edge with 3D magnetic fields”

57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015, Savannah, Georgia - Bulletin of the American Physical Society, Volume 60, Number 19 PP12.00091

L.M. Reusch, P. Franz, M.E. Galante, J. Goetz, D.J. Den Hartog, M.B. McGarry, H.D. Stephens, “Improvements in electron temperature measurements from soft x-rays in MST plasmas”
57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015, Savannah, Georgia - Bulletin of the American Physical Society, Volume 60, Number 19 CP12.00035

M.D. Nornberg, M.E. Galante, Nova, L.M. Reusch, D.J. Den Hartog, P. Franz, H.D. Stephens “Combining impurity X-ray and impurity density measurements to determine Z_{eff} ”
57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015, Savannah, Georgia - Bulletin of the American Physical Society, Volume 60, Number 19 CP12.00036

Piero Martin, Marc Beurskens, Stefano Coda, Thomas Eich, Hendrik Meyer “Overview of the EUROfusion Medium Size Tokamak program”
57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015, Savannah, Georgia - Bulletin of the American Physical Society, Volume 60, Number 19 GP12.00128

Michio Okabayashi, N. Logan, B. Tobias, Z. Wang, B. Budny, R. Nazikian, Pppl, E. Strait, R. La Haye, C.J. Paz-Soldan, N. Ferraro, Ga, D. Shiraki, Ornl, J. Hanson, P. Zanca, R. Paccagnella, “Multi-layered mode structure of locked-tearing-modes after unlocking”
57th Annual Meeting of the APS Division of Plasma Physics, November 16–20, 2015, Savannah, Georgia - Bulletin of the American Physical Society, Volume 60, Number 19 JP12.00095