

Publications 2013

International and national journals

1st semester

Numerical verification of Orbit and Nemato codes for magnetic topology diagnosis

G. Ciaccio, M. Veranda, D. Bonfiglio, S. Cappello, G. Spizzo, L. Chacon, and R. B. White
Phys. of plasmas, **20**, 062505 (2013)

Impact of helical boundary conditions on nonlinear 3D magnetohydrodynamic simulations of reversed-field pinch

M Veranda, D Bonfiglio, S Cappello, L Chacon and D F Escande
Plasma Phys. Control. Fus., **55** (2013) 074015 (8pp)

Basic investigations of electrostatic turbulence and its interaction with plasma and suprathermal ions in a simple magnetized toroidal plasma

A. Fasoli, F. Avino, A. Bovet, I. Furno, K. Gustafson, S. Jolliet, J. Loizu, D. Malinverni, P. Ricci, F. Riva, C. Theiler, M. Spolaore and N. Vianello
Nucl. Fusion, **53** (2013) 063013

The tomographic diagnostic of ITER neutral beam injector

M. Brombin, M. Agostini, C. Dianin, M. Mattiolo, R. Pasqualotto, G. Serianni and G. Spizzo
Nucl. Fusion, **53** (2013) 053009 (12pp)

Experimental investigation of electron temperature dynamics of helical states in the RFX-Mod reversed field pinch

P. Franz, M. Gobbin, L. Marrelli, A. Ruzzon, F. Bonomo, A. Fassina, E. Martines and G. Spizzo
Nucl. Fusion, **53** (2013) 053011 (11pp)

On the linear stability of collisionless microtearing modes

Predebon I, Sattin F.
Phys. of Plasmas, **20**, Issue: 4 (APR 2013)

Manifold learning to interpret JET high-dimensional operational space

B Cannas, A Fanni, A Murar, A Pau, G Sias and the JET EFDA Contributors Group
Plasma Phys. Control. Fus., **55**, Issue:4 (APR 2013)

Non-power law scaling for access to the H-mode in tokamaks via symbolic regression

A. Murari, I. Lupelli, M. Gelfusa and P. Gaudio
Nucl. Fusion, **53**, Issue 4 (APR 2013)

AVOCADO: A numerical code to calculate gas pressure distribution

Sartori E.; Veltri P.
Vacuum, **90**, Special Issue: SI, 80-88 (APR 2013)

A Conceptual Design Study for the Error Field Correction Coil Power Supply in JT-60SA

Matsukawa M., Shimada K., Yamauchi K., E. Gaio, A. Ferro, L. Novello
Plasma science & technology, **15**, Issue: 3, 257-260 (MAR 2013)

Parallel universal access layer: A scalable I/O library for integrated tokamak modeling

Galonska A., Gibbon P., Imbeaux F., Y. Frauel, B. Guillerminet, G. Manduchi, F. Wolf and ITM-TF Contributors
Computer physics communications, **184**, Issue: 3, 638-646 (MAR 2013)

Clustering based on the geodesic distance on Gaussian manifolds for the automatic classification of disruptions

Murari A., Boutot P., Vega J., et al. JET-EFDA Contributors
Nucl. Fusion, **53** Issue: 3 (MAR 2013)

Detailed Analysis of the Transient Voltage in a JT-60SA PF Coil Circuit

Yamauchi K., Shimada K., Terakado T., M. Matsukawa, R. Coletti, A. Lampasi, E. Gaio, A. Coletti and L. Novello
Plasma science & technology, **15**, Issue: 2, 148-151 (FEB 2013)

Dependence of the density limit on the toroidal magnetic field on FTU

G. Pucella, O. Tudisco, M.L. Apicella, G. Apruzzese, G. Artaserse, F. Belli, W. Bin, L. Boncagni, A. Botrugno, P. Buratti, G. Calabrò, C. Castaldo, C. Cianfarani, V. Cocilovo, L. Dimatteo, B. Esposito, D. Frigione, L. Gabellieri, E. Giovannozzi, G. Granucci, M. Marinucci, D. Marocco, E. Martines, G. Mazzitelli, C. Mazzotta, S. Nowak, G. Ramogida, A. Romano, A.A. Tuccillo, L. Zeng and M. Zuin
Nucl. Fusion, **53**, Issue: 2 (FEB 2013)

Experimental Observation of Microtearing Modes in a Toroidal Fusion Plasma

M. Zuin, S. Spagnolo, I. Predebon, F. Sattin, F. Auriemma, R. Cavazzana, A. Fassina, E. Martines, R. Paccagnella,
M. Spolaore, and N. Vianello
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Pressure driven tearing and interchange modes in the reversed field pinch

Paccagnella, R.
Phys. of plasmas, **20**, Issue: 1 (JAN 2013)

Integration and validation of a disruption predictor simulator in JET

J.M. Lopez, J. Vega, S. Dormido-Canto, A. Murari, JM Ramirez, M. Ruiz, G. De Arcas and JET EfdA Contributors
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Electron Pressure and Transport Analysis During QSH States in RFX-mod

A. Alfier, M. Agostini, F. Auriemma, M. Brombin, P. Franz, R. Lorenzini, L. Marrelli, E. Martines, G. Spizzo, P. Zanca
IEEE T Plasma Sci., **41**, Issue: 1, 2-11 (JAN 2013)

Integrated Procedure for Halo Current Reconstruction in ITER

S. Peruzzo, R. Albanese, P. Bettini, M. Caputano, N. Marconato, M. Mattei, G. Rubinacci, A. Soppelsa, F. Villone
IEEE T Plasma Sci., **41**, Issue: 1, 257-262 (JAN 2013)

RFX-mod: A multi-configuration fusion facility for three-dimensional physics studies

P. Piovesan, D. Bonfiglio, F. Auriemma, F. Bonomo, L. Carraro, R. Cavazzana, G. De Masi, A. Fassina, P. Franz, M. Gobbin, L. Marrelli, P. Martin, E. Martines, B. Momo, L. Piron, M. Valisa, M. Veranda, N. Vianello, B. Zaniol, M. Agostini, M. Baruzzo, T. Bolzonella, A. Canton, S. Cappello, L. Chacón, G. Ciaccio, D. F. Escande, P. Innocente, R. Lorenzini, R. Paccagnella, M. E. Puiatti, P. Scarin, A. Soppelsa, G. Spizzo, M. Spolaore, D. Terranova, P. Zanca, L. Zanotto, and M. Zuin,
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SIMS analysis of the interaction between plasmas and the graphite first wall in RFX-mod'

S. Fiameni, S., Barison, S., Canton, A., Dal Bello, S., Innocente, P., Pagura, C., Fabrizio, M. and Daolio,
Surf. Interface Anal., **45** (2013): 423-426.

Studies of spatial uniformity of glow discharge cleaning plasmas on the RFX-mod device
A. Canton, S. Dal Bello, M. Agostini, L. Carraro, R. Cavazzana, S. Fiameni, L. Grando, B. Rais, M. Spolaore, M. Zuin
J. Nucl. Mater., **438** (2013), S1164-S1167

2nd semester

Subspace identification analysis of RFX and T2R reversed-field pinches

Olofsson K., Erik J., Soppelsa Anton, Bolzonella Tommaso, Marchiori Giuseppe
Control Eng Pract , **21**, Issue: 7, 917-929 (JUL 2013)

3D effects on the RFX-mod boundary

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Sideways wall force produced during tokamak disruptions

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Wall conditioning and density control in the reversed field pinch RFX-mod

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Nucl. Fusion, **53**, Issue: 7, N.: 073001 (JUL 2013)

Advances in understanding RFX-mod helical plasmas

Carraro L., Innocente P., Auriemma F., Cavazzana R., Fassina A., Franz P., Gobbin M., Predebon I., Ruzzon A., Spizzo G., Terranova D., Bolzonella T., Canton A., Dal Bello S., Grando L., Lorenzini R., Marrelli L., Martines E., Puiatti M. E., Scarin P., Soppelsa A., Valisa M., Zanutto L., Zuin M.
Nucl. Fusion, **53**, Issue: 7, N. 073048 (JUL 2013)

Comparison of edge turbulence imaging at two different poloidal locations in the scrape-off layer of Alcator C-Mod

Zweben S. J., Terry J. L., Agostini M., Davis W. M., Diallo A., Ellis R. A. Golfinopoulos T., Grulke O., Hughes J. W., LaBombard B., Landreman M., Myra J. R., Pace D. C., Stotler D. P.
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Minimally Constrained Model of Self-Organized Helical States in Reversed-Field Pinches

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Progress in the Validation of the Voltage Holding Prediction Model at the High-Voltage Padova Test Facility

De Lorenzi, Antonio, Pilan Nicola, Spada Emanuele
IEEE T Plasma Sci., **41**, Issue: 8 Special Issue, 2128-2134 Part: 2 (AUG 2013)

Density limit experiments on FTU

Pucella G., Tudisco O., Apicella M. L., Apruzzese G., Artaserse G., Belli F., Bin W., Boncagni L., Botrugno A., Buratti P., Calabro G., Castaldo C., Cianfarani C., Cocilovo V., Dimatteo L., Esposito B., Frigione D., Gabellieri L., Giovannozzi E., Granucci G., Marinucci M., Marocco D., Martines E., Mazzitelli G., Mazzotta C., Nowak S., Ramogida G., Romano A., Tuccillo A. A., Zeng L., Zuin M.

Nucl. Fusion, **53**, Issue: 8 n. 083002 (AUG 2013)

Non-axisymmetric equilibrium reconstruction for stellarators, reversed field pinches and tokamaks

Hanson J. D., Anderson D. T., Cianciosa M., Franz P., Harris J. H., Hartwell G. H., Hirshman S. P., Knowlton S. F., Lao L. L., Lazarus E. A., Marrelli L., Maurer D. A., Schmitt J. C., Sontag A. C., Stevenson B. A., Terranova D.

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Effects of the input polarization on JET polarimeter horizontal channels

Gaudio P., Gelfusa M., Murari A., Orsitto F., Boboc A., JET-EFDA Contributors

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Preliminary investigations of equilibrium reconstruction quality during ELMs and ELM-free phases on JET

Gelfusa M., Murari A., Peluso E., Gaudio P., Orsitto F. P., Gerasimov S., JET-EFDA Contributors

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Statistical analysis of plasma shape influence on the power threshold to access the H-mode

Lupelli I., Murari A., Gaudio P., Gelfusa, M.

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New diagnostics for density measurement on Frascati Tokamak upgrade

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Spatial location of local perturbations in plasma emissivity derived from projections using conformal predictors

Vega Jesus, Murari Andrea, Gonzalez Sergio, Pereira Augusto, Pastor Ignacio

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On the identification of instabilities with neural networks on JET

Murari A., Arena P., Buscarino A., Fortuna L., Iachello M., JET-EFDA Contributors

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Experimental-like Helical Self-Organization in Reversed-Field Pinch Modeling

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

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Space-Varying Templates for Real-Time Applications of Cellular Nonlinear Networks to Pattern Recognition in Nucl. Fusion

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Automatic disruption classification based on manifold learning for real-time applications on JET

Cannas B., Fanni A., Murari A., Pau A., Sias G., JET-EFDA Contributors

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Heat transport in helical RFX-mod plasmas by electron temperature dynamics from soft-x-ray diagnostics

M Gobbin, P Franz, R Lorenzini, I Predebon, A Ruzzon, A Fassina, L Marrelli, B Momo and D Terranova

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Overview of the RFX-mod fusion science programme

P. Martin, M.E. Puiatti, P. Agostinetti, M. Agostini, J.A. Alonso, V. Antoni, L. Apolloni, F. Auriemma, F. Avino, A. Barbalace, M. Barbisan, T. Barbui, S. Barison, M. Barp, M. Baruzzo, P. Bettini, M. Bigi, R. Bilel, M. Boldrin, T. Bolzonella, D. Bonfiglio, F. Bonomo, M. Brombin, A. Buffa, C. Bustreo, A. Canton, S. Cappello, D. Carralero, L. Carraro, R. Cavazzana, L. Chacon, B. Chapman, G. Chitarin, G. Ciaccio, W.A. Cooper, S. Dal Bello, M. Dalla Palma, R. Delogu, A. De Lorenzi, G.L. Delzanno, G. De Masi, M. De Muri, J.Q. Dong, D.F. Escande, F. Fantini, A. Fasoli, A. Fassina, F. Fellin, A. Ferro, S. Fiameni, J.M. Finn, C. Finotti, A. Fiorentin, N. Fonnesu, J. Framarin, P. Franz, L. Frassinetti, I. Furno, M. Furno Palumbo, E. Gaio, E. Gazza, F. Ghezzi, L. Giudicotti, F. Gnesotto, M. Gobbin, W.A. Gonzales, L. Grando, S.C. Guo, J.D. Hanson, C. Hidalgo, Y. Hirano, S.P. Hirshman, S. Ide, Y. In, P. Innocente, G.L. Jackson, S. Kiyama, S.F. Liu, Y.Q. Liu, D. Lòpez Bruna, R. Lorenzini, T.C. Luce, A. Luchetta, A. Maistrello, G. Manduchi, D.K. Mansfield, G. Marchiori, N. Marconato, D. Marcuzzi, L. Marrelli, S. Martini, G. Matsunaga, E. Martines, G. Mazzitelli, K. McCollam, B. Momo, M. Moresco, S. Munaretto, L. Novello, M. Okabayashi, E. Olofsson, R. Paccagnella, R. Pasqualotto, M. Pavei, S. Peruzzo, A. Pesce, N. Pilan, R. Piovan, P. Piovesan, C. Piron, L. Piron, N. Pomaro, I. Predebon, M. Recchia, V. Rigato, A. Rizzolo, A.L. Roquemore, G. Rostagni, A. Ruzzon, H. Sakakita, R. Sanchez, J.S. Sarff, E. Sartori, F. Sattin, A. Scaggion, P. Scarin, W. Schneider, G. Serianni, P. Sonato, E. Spada, A. Soppelsa, S. Spagnolo, M. Spolaore, D.A. Spong, G. Spizzo, M. Takechi, C. Taliercio, D. Terranova, C. Theiler, V. Toigo, G.L. Trevisan, M. Valente, M. Valisa, P. Veltri, M. Veranda, N. Vianello, F. Villone, Z.R. Wang, R.B. White, X.Y. Xu, P. Zaccaria, A. Zamengo, P. Zanca, B. Zaniol, L. Zanotto, E. Zilli, G. Zollino and M. Zuin
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Overview of results from the MST reversed field pinch experiment

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Does shaping bring an advantage for reversed field pinch plasmas?

S.C. Guo, X.Y. Xu, Z.R. Wang and Y.Q. Liu

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Helical equilibrium reconstruction with V3FIT in the RFX-mod Reversed Field Pinch

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Progress of the JT-60SA project

Y. Kamada, P. Barabaschi, S. Ishida, the JT-60SA Team and JT-60SA Research Plan Contributors

Optical emission spectroscopy at the large RF driven negative ion test facility ELISE: Instrumental setup and first results

D. Wunderlich, U. Fantz, P. Franzen, R. Riedl, F. Bonomo
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Progress in control and data acquisition for the ITER neutral beam test facility

Adriano Luchetta, Gabriele Manduchi, Cesare Taliercio, Anton Soppelsa, Francesco Paolucci, Filippo Sartori, Paolo Barbato, Roberto Capobianco, Mauro Breda, Federico Molon, Modesto Moressa, Sandro Polato, Paola Simionato, Enrico Zampiva
Fus. Eng and Des. **88**, Issues 6–8, Oct. 2013, 492-496

Optimization of the electrostatic and magnetic field configuration in the MITICA accelerator

G. Chitarin, P. Agostinetti, H.P.L de Esch, D. Marcuzzi, N. Marconato, E. Sartori, G. Serianni, P. Sonato, P. Veltri and P. Zaccaria
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Numerical modeling of 3D halo current path in ITER structure

Paolo Bettini, Nicolò Marconato, Maurizio Furno Palumbo, Simone Peruzzo, Ruben Specogna, Raffaele Albanese, Guglielmo Rubinacci, Salvatore Ventre, Fabio Villone
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Full scale prototype of the JT-60SA Quench Protection Circuits

E. Gaio, A. Maistrello, M. Barp, M. Perna, A. Coffetti, F. Soso, L. Novello, M. Matsukawa, K. Yamauchi
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A new class of indicators for the model selection of scaling laws in nuclear fusion

I. Lupelli, A. Murari, P. Gaudio, M. Gelfusa, D. Mazon, J. Vega
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Modeling and analysis of breakdown EMI protection for MITICA insulation and embedded diagnostics

A. Pesce, N. Pomaro, A. Zamengo, M. Bigi, V. Toigo
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Progress of the ITER NBI Acceleration Grid Power Supply Reference Design

V. Toigo, L. Zanotto, M. Bigi, Hans Decamps, Alberto Ferro, Elena Gaio, Daniel Gutiérrez, Kazuki Tsuchida, Kazuhiro Watanabe
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Design of the interlock and protection system for the SPIDER experiment

N. Pomaro, L. Grando, A. Luchetta, F. Paolucci, F. Sartori
Fus. Eng and Des. **88**, Issues 6–8, Oct. 2013, p. 980-984

Design status and procurement activities of the High Voltage Deck 1 and Bushing for the ITER Neutral Beam Injector

Marco Boldrin, Antonio De Lorenzi, Hans Decamps, Luca Grando, Muriel Simon, Vanni Toigo
Fusion Eng. and Design **88** (2013) 985– 989

Caesium oven design and R&D for the SPIDER beam source

Andrea Rizzolo, Mauro Pavei, Nicola Pomaro
Fusion Eng. and Design **88** Issue 6-8 (2013) 1007-1010

Evaluation of power loads on MITICA beamline components due to direct beam interception and electron backscattering

Pierluigi Veltri, Piero Agostinetti, Mauro Dalla Palma, Emanuele Sartori, Gianluigi Serianni
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Design and R&D for manufacturing the MITICA Neutraliser and Electron Dump

Mauro Dalla Palma, Emanuele Sartori, Winder Gonzalez, Andrea Tiso, Lauro Trevisan, Pierluigi Zaccaria

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Voltage holding optimization of the MITICA electrostatic accelerator

N. Pilan, P. Bettini, A. De Lorenzi, R. Specogna

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Iterative Axisymmetric Identification Algorithm (IAIA) for real-time reconstruction of the plasma boundary of ITER

Paolo Bettini, Angelo Cenedese

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Prototyping and testing of the Continuous External Rogowski ITER magnetic sensor

Ph. Moreau, A. Le-Luyer, P. Malard, P. Pastor, F. Saint-Laurent, P. Spuig, J. Lister, M. Toussaint, P. Marmillo, D. Testa, S. Peruzzo, J. Knaster, G. Vayakis, S. Hughes, K.M. Patel

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A new LabVIEW interface for MDSplus

G. Manduchi, E. De Marchi, A. Mandelli

Fusion Eng. and Design **88** Issue 6-8 (2013) 1196-1199

Design of a visible tomography diagnostic for negative ion RF source SPIDER

R. Pasqualotto, M. Agostini, M. Brombin, R.S. Delogu, N. Fannesu, L. Lotto, F. Molon, C. Piron, G. Serianni, C. Taliercio, M. Tollin, B. Zaniol

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Preliminary investigation of the use of visible images to validate the magnetic reconstruction of the boundary on JET

Pasquale Gaudio, Teddy Craciunescu, Michela Gelfusa, Nick Hawkes, Ivan Lupelli, Andrea Murari, Emmanuele Peluso, JET-EFDA Contributors

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R&D on ITER in-vessel magnetic sensors

Simone Peruzzo, Shakeib Arshad, Matteo Brombin, Giuseppe Chitarin, Winder Gonzalez, Luca Grandi, Mickael Portales, Andrea Rizzolo, George Vayakis, Ludo Vermeeren

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Definition of the radiation fields for the JET gamma-ray spectrometer diagnostics

Vasile Zoita, Sorin Soare, Teddy Craciunescu, Marian Curuia, Vasily Kiptily, Nick Balshaw, Patrick Blanchard, David Croft, Andrea Murari, Brian Syme, JET-EFDA contributors

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Studies on the requirements of the Power Supply system for the Resistive-Wall-Mode control in JT-60SA

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

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R&D activities for the design of the MITICA Plasma Driver Plate manufacturing process via explosion bonding technique

M. Pavei, S. Dal Bello, H. Groeneveld, A. Rizzolo

Fus. Eng and Des. **88**, Issues 9–10, (Oct. 2013) p. 1664-1667

Characterization, test and interpretative simulations of one-dimensional Carbon Fiber Composite prototype for SPIDER experiment

M. De Muri V. Cervaro, S. Dal Bello, M. Dalla Palma, D. Fasolo, L. Franchin, R. Pasqualotto, N. Pomaro, A. Rizzolo, M. Tollin, G. Serianni

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FRESCO, a simplified code for cost analysis of fusion power plants

C. Bustreo, G. Casini, G. Zollino, T. Bolzonella, R. Piovan

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Towards a plasma treatment of corneal infections

E. Martines, P. Brun, P. Brun, R. Cavazzana, V. Deligianni, A. Leonardi, E. Tarricone, M. Zuin
Clinical Plasma Medicine, 1, issue 2 *Pages 17-24 Dec 2013*

Technical challenges in the construction of the steady-state stellarator Wendelstein 7-X

H.-S. Bosch; R.C. Wolf; T. Andreeva; J. Baldzuhn; D. Birus; T. Bluhm; T. Bräuer; H. Braune; V. Bykov; A. Cardella; F. Durodié; M. Endler; V. Erckmann; G. Gantenbein; D. Hartmann; D. Hathiramani; P. Heimann; B. Heinemann; C. Hennig; M. Hirsch; D. Holtum; J. Jagielski; J. Jelonnek; W. Kasperek; T. Klinger; R. König; P. Kornejew; H. Kroiss; J.G. Krom; G. Kühner; H. Laqua; H.P. Laqua; C. Lechte; M. Lewerentz; J. Maier; P. McNeely; A. Messiaen; G. Michel; J. Ongena; A. Peacock; T.S. Pedersen; R. Riedl; H. Riemann; P. Rong; N. Rust; J. Schacht; F. Schauer; R. Schroeder; B. Schweer; A. Spring; A. Stäbler; M. Thumm; Y. Turkin; L. Wegener; A. Werner; D. Zhang; M. Zilker; T. Akijama; R. Alzbutas; E. Ascasibar; M. Balden; M. Banduch; Ch. Baylard; W. Behr; C. Beidler; A. Benndorf; T. Bergmann; C. Biedermann; B. Bieg; W. Biel; M. Borchardt; G. Borowitz; V. Borsuk; S. Bozhnikov; R. Brakel; H. Brand; T. Brown; B. Brucker; R. Burhenn; K.-P. Buscher; C. Caldwell-Nichols; A. Cappa; A. Cardella; A. Carls; P. Carvalho; ?. Ciupi?ski; M. Cole; J. Collienne; A. Czarnecka; G. Czymek; G. Dammertz; C.P. Dhard; V.I. Davydenko; A. Dinklage; M. Drevlak; S. Drotziger; A. Dudek; P. Dumortier; G. Dundulis; P.v. Eeten; K. Egorov; T. Estrada; H. Faugel; J. Fellingner; Y. Feng; H. Fernandes; W.H. Fietz; W. Figacz; F. Fischer; J. Fontdecaba; A. Freund; T. Funaba; H. Fünfgelder; A. Galkowski; D. Gates; L. Giannone; J.M. García Regaña; J. Geiger; S. Geißler; H. Greuner; M. Grahl; S. Groß; A. Grosman; H. Grote; O. Grulke; M. Haas; L. Haiduk; H.-J. Hartfuß; J.H. Harris; D. Haus; B. Hein; P. Heitzenroeder; P. Helander; R. Heller; C. Hidalgo; D. Hildebrandt; H. Höhnle; A. Holtz; E. Holzhauer; R. Holzthüm; A. Huber; H. Hunger; F. Hurd; M. Ihrke; S. Illy; A. Ivanov; S. Jablonski; N. Jaksic; M. Jakubowski; R. Jaspers; H. Jensen; H. Jenzsch; J. Kacmarczyk; T. Kaliatk; J. Kallmeyer; U. Kamionka; R. Karaleviciu; S. Kern; M. Keunecke; R. Kleiber; J. Knauer; R. Koch; G. Kocsis; A. Könies; M. Köppen; R. Koslowski; J. Koshurinov; A. Krämer-Flecken; R. Krampitz; Y. Kravtsov; M. Krychowiak; G. Krzesinski; I. Ksiazek; M. Kubkowska; A. Kus; S. Langish; R. Laube; M. Laux; S. Lazerson; M. Lennartz; C. Li; R. Lietzow; A. Lohs; A. Lorenz; F. Louche; L. Lubyako; A. Lumsdaine; A. Lysoivan; H. Maaßberg; P. Marek; C. Martens; N. Marushchenko; M. Mayer; B. Mendelevitch; Ph. Mertens; D. Mikkelsen; A. Mishchenko; B. Missal; T. Mizuuchi; H. Modrow; T. Mönnich; T. Morizaki; S. Murakami; F. Musielok; M. Nagel; D. Naujoks; H. Neilson; O. Neubauer; U. Neuner; R. Nocentini; J.-M. Noterdaeme; C. Nührenberg; S. Obermayer; G. Offermanns; H. Oosterbeek; M. Otte; A. Panin; M. Pap; S. Paquay; E. Pasch; X. Peng; S. Petrov; D. Pilopp; H. Pirsch; B. Plaum; F. Pompon; M. Povilaitis; J. Preinhaelter; O. Prinz; F. Purps; T. Rajna; S. Récsi; A. Reiman; D. Reiter; J. Remmel; S. Renard; V. Rhode; J. Riemann; S. Rimkevicius; K. Riße; A. Rodatos; I. Rodin; M. Romé; H.-J. Roscher; K. Rummel; Th. Rummel; A. Runov; L. Ryc; J. Sachtleben; A. Samartsev; M. Sanchez; F. Sano; A. Scarabosio; M. Schmid; H. Schmitz; O. Schmitz; M. Schneider; W. Schneider; L. Scheibl; M. Scholz; G. Schröder; M. Schröder; J. Schruff; H. Schumacher; I.V. Shikhovtsev; M. Shoji; G. Siegl; J. Skodzik; M. Smirnow; E. Speth; D.A. Spong; R. Stadler; Z. Sulek; V. Szabó; T. Szabolics; T. Szetefi; Z. Szökefalvi-Nagy; A. Tereshchenko; H. Thomsen; M.

Thumm; D. Timmermann; H. Tittes; K. Toi; M. Tournianski; U.v. Toussaint; J. Tretter; S. Tulipán; P. Turba; R. Uhlemann; J. Urban; E. Urbonavicius; P. Urlings; S. Valet; D. Van Eester; M. Van Schoor; M. Vervier; H. Viebke; R. Vilbrandt; M. Vrancken; T. Wauters; M. Weissgerber; E. Weiß; A. Weller; J. Wendorf; U. Wenzel; T. Windisch; E. Winkler; M. Winkler; J. Wolowski; J. Wolters; G. Wrochna; P. Xanthopoulos; H. Yamada; M. Yokoyama; D. Zacharias; J. Zajac; G. Zangl; M. Zarnstorff; H. Zeplien; S. Zoletnik; M. Zuin
Nucl. Fusion **53**, **12** (2013) 126001

3D magnetic fields and plasma rotation in RFX-mod tokamak plasmas

L. Piron; D. Bonfiglio; P. Piovesan; B. Zaniol; F. Auriemma; L. Carraro; L. Chacón; L. Marrelli; M. Valisa; M. Veranda; M. Zuin
Nucl. Fusion **53**, **11** (2013) 113022

Guiding center equations of high accuracy

R. B. White; G. Spizzo; M. Gobbin
Plasma Phys. Control. Fus., **55**, n. **11** 115002 (Sep 2013)

Development of an efficient real-time disruption predictor from scratch on JET and implications for ITER

S. Dormido-Canto; J. Vega; J.M. Ramírez; A. Murari; R. Moreno; J.M. López; A. Pereira; JET-EFDA Contributors
Nucl. Fusion **53**, **11** (2013) 113001

Influence of plasma diagnostics and constraints on the quality of equilibrium reconstructions on Joint European Torus

M. Gelfusa; A. Murari; I. Lupelli; N. Hawkes; P. Gaudio; M. Baruzzo; M. Brix; T. Craciunescu; V. Drozdov; A.Meigs; E. Peluso; M. Romanelli; S. Schmuck; B. Sieglin; JET-EFDA Contributors
Rev. Sci. Instrum. **84**, 103508 (2013)

On the Potential of Information Theoretic Indicators for the Detection of Image Vibrations and for Image Registration on JET

Andrea Murari; Michela Gelfusa; Thibault Lesage; Didier Mazon; G. Arnoux
IEEE transactions on nuclear science, **41**, n. 10, (2013)

Prototyping Control and Data Acquisition for the ITER Neutral Beam Test Facility

Adriano Luchetta; Gabriele Manduchi; Cesare Talierno; Anton Soppelsa; Francesco Paolucci; Filippo Sartori; Paolo Barbato; Mauro Breda; Roberto Capobianco; Federico Molon; Modesto Moressa; Sandro Polato; Paola Simionato; Enrico Zampiva
IEEE transactions on nuclear science, **60**, n. 5, (2013)

Communications to National and International Workshops and Conferences

1st semester

P. Piovesan: “Self-organized 3D equilibrium formation in RFX and comparison to the state of strong stochasticity”, Invited I1, 6th Workshop on Stochasticity in Fusion Plasmas, Forschungszentrum Jülich GmbH, Germany, 18-20 March 2013

G. Ciaccio: “Edge islands and transport, Tokamak vs RFP”, Oral, O2-8, 6th Workshop on Stochasticity in Fusion Plasmas, Forschungszentrum Jülich GmbH, Germany, 18-20 March 2013

David Terranova: “Overview of Experimental Results from RFX”, Invited, 531st Wilhelm and Else Heraeus Seminar - 3D versus 2D in Hot Plasmas, 30th April – 2nd May 2013, Physikzentrum Bad Honnef, Germany

P. Martin: “Advantages and Disadvantages of 3D Effects in Magnetically Controlled Fusion Plasmas”, Invited, 531st Wilhelm and Else Heraeus Seminar - 3D versus 2D in Hot Plasmas, 30th April – 2nd May 2013, Physikzentrum Bad Honnef, Germany

M. Valisa: “Transport analysis of Tungsten and Beryllium in JET Hybrid Plasmas with the ITER-like Wall”, oral, IAEA Technical Meeting SSO 2013, Aix en Provence, France, from 14-17 May 2013

2nd semester

ISPP 2013

Pasqualotto Roberto: “Diagnostics of the ITER neutral beam injector and test facility”, invited, ISPP 2013 International Conference on Fusion Reactor Diagnostics, Villa Monastero, Varenna, Italy 9-13 sept. 2013

Gonzalez Winder: “Thermo-mechanical analyses of ITER in-vessel magnetic sensor assembly”, ISPP 2013 International Conference on Fusion Reactor Diagnostics, Villa Monastero, Varenna, Italy 9-13 sept. 2013

FisMat 2013

M. Spolaore et al.: “Inter-machine comparison of electromagnetic turbulent structures”, FisMat 2013 - Italian National Conference on Condensed Matter Physics, Milan (Italy), 09-13 sept. 2013

E. Martines et al.: “Applications of ionized gases in medicine: towards a treatment of eye-surface infections”, FisMat 2013 - Italian National Conference on Condensed Matter Physics, Milan (Italy), 09-13 september 2013

Joint 19th ISHW and 16th IEA-RFP workshop

D. Terranova: “Helical equilibrium reconstruction with diagnostics in the RFX-mod reversed field pinch” (oral), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

M. Valisa: “RFX-mod: Recent Achievements and Future Perspectives in the Context of the European Roadmap” (invited), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

L. Carraro: “Impurity screening in RFX-mod RFP plasmas” (invited), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

G. Spizzo: “Electric field and flows at the edge of toroidal fusion plasmas” (invited), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

M. Gobbin: “eITBs dynamics in helical RFX-mod states by high time resolution Te measurements” (oral), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

D. Bonfiglio: “Impact of helical magnetic boundary in 3D nonlinear MHD physics of the helical RFP” (oral), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

L. Piron: “Tearing mode control in the RFX-mod device” (oral), Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Paolo Franz: “Te from SXR in Reversed Field Pinches: 2D imaging of 3D structures”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Tommaso Bolzonella: “On a universal property of Reversed Field Pinch operational space”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Nicola Vianello: “3D helical flow and turbulence in RFX-mod device”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Matteo Agostini: “Interaction between plasma edge properties and 3D magnetic fields”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Alessandra Canton: “Characterisation of Tungsten coating on Graphite samples”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Barbara Momo: “Spectral properties of helical RFP equilibria”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Shi Chong Guo: “Does shaping bring an advantage for Reversed Field Pinch plasmas?”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Chiara Piron: “New real-time RFX-mod feedback control algorithms in the MARTe framework”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Li Chenguang: “The preliminary design of TMs’ feedback control in KTX based on simulation”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Claudio Finotti: “Improvement of the RFX-mod toroidal power supply to enhance the control of the toroidal magnetic field in the RFX-mod experiment”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Matteo Zuin: “Characterization of Microtearing Modes in the RFX-mod Reversed-Field Pinch Plasmas”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Italo Predebon: “Gyrokinetic investigation of ion temperature gradient instability in helical RFPs”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Shi Chong Guo: “Trapped electron effects on the micro-drift instabilities in RFP plasmas”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

B. Zaniol: “Intrinsic rotations in bi-configurable RFX-mod device”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Fulvio Auriemma: “Particle influx studies and confinement properties in RFX-mod”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Rita Lorenzini: “Ion temperature measurements in RFX-mod”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

Giovanni Ciaccio: “Edge islands transport in tokamaks and RFPs”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

L. Marrelli: “RFX-mod Overview”, Joint 19th ISHW and 16th IEA-RFP workshop, 16-20 Sept. 2013, Padova, Italy

LAPD 16

L. Giudicotti, R. Pasqualotto, A. Fassina: “A study for dual-laser Thomson scattering calibrations in RFX-MOD”, P21, 16th International Symposium Laser Aided Plasma Diagnostics, Madison, Wisconsin USA, September 22-26 2013

ISLA 2013

P. Innocente: “Lithization on RFX-mod reversed field pinch experiment”, 3rd International Symposium on Lithium Applications for Fusion Devices, Frascati, October 9-11, 2013

55th Annual Meeting APS

Edge ambipolar potential in toroidal fusion plasmas

SPIZZO Gianluca, (tentative list) S.Abdullaev, M.Agostini, G.Ciaccio, P.Scarin, O.Schmitz,N.Vianello, R.B. White, the RFX and TEXTOR teams – *Invited*, 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Characterization of particle confinement properties in RFX-mod at high Ip

AURIEMMA Fulvio, M. Agostini, P. Franz, R. Lorenzini, P.Innocente, P. Scarin – *Oral -*, 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Poster:

A pressure-driven model for the quasi periodical oscillations of the Single Helical States in Rever

PACCAGNELLA Roberto, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

New MHD feedback control schemes using the MARTe framework in RFX-mod

PIRON Chiara, G.Manduchi, L.Marrelli, P.Piovesan, P.Zanca, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Overview of the RFX fusion science program

MARTIN Piero, Puiatti and the RFX-mod team , , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

SXR Diagnosis of Electron Temperature Dynamics in Reversed-Field Pinches

FRANZ Paolo, M.Gobbin, L.Marrelli, A.Ruzzon, F. Bonomo, A.Fassina, E. Martines, M.B. McGarry, D.J. Den Hartog, J.A. Goetz, J. Johnson, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Progress in nonlinear 3D MHD modeling of fusion plasmas with the PIXIE3D code

BONFIGLIO Daniele, S. Cappello, L. ChacÃ³n, D. F. Escande, M. Veranda, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

3D Boundary behavior in RFX-mod: role of advected quantities

SCARIN Paolo, M. Agostini, L. Carraro, G. Spizzo, N. Vianello, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Experimental characterization of microtearing modes in the RFX-mod reversed-field pinch plasmas

ZUIN Matteo, Spagnolo, Predebon, Sattin, Auriemma, Cavazzana, Fassina, Gobbin, Martines, Paccagnella, Spolaore, Vianello, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Electron temperature profiles characterization and eITBs dynamics in the helical states of RFX-mod

GOBBIN Marco, A.Fassina, P.Franz, L.Marrelli, B.Momo,I. Predebon, A.Ruzzon, R. Sanchez, D.Terranova, M.Zuin, , 55th Annual Meeting APS, November 11 – 15 2013, Denver Colorado USA

Helical Equilibrium Reconstruction using V3FIT on MST

J.J. Koliner; B.E. Chapman; J.S. Sarff; J.K. Anderson; W. Capecchi; S. Eilerman; J.A. Reusch; J.D. Hanson; M.R. Cianciosa; D. Terranova (2013)

in 55th Annual Meeting of the APS Division of Plasma Physics, Denver, Colorado, USA, November 11-15, 2013

Multi configuration axisymmetric plasma shaping control on RFX-mod

R. Cavazzana; C. Finotti; G. Marchiori; G. Manduchi; L. Zanotto; O. Kudlacek; M. Zuin; P. Franz; P. Zanca; L. Marrelli; T.C. Luce; G.L. Jackson (2013)

in 55th Annual Meeting of the APS Division of Plasma Physics, Denver, Colorado, USA, November 11-15, 2013

On the determination of the poloidal velocity and the shear layer in the scrape-off layer of ASDEX

Roman Schrittwieser; Stefan Costea; Franz Mehlmann; Anders Henry Nielsen; Volker Naulin; Jens Juul Rasmussen; Hans Werner Mueller; Nicola Vianello; Daniel Carralero; Volker Rohde; Christian Lux; Codrina Ionita; ASDEX Upgrade Team (2013)

Upgrade in 55th Annual Meeting of the APS Division of Plasma Physics, Denver, Colorado, USA, November 11-15, 2013

Unfolding of energies of fusion products from the nuclear activation data at JET

Jan Mlynar; G. Bonheure; O. Ficker; K. Bauer; S. Popovichev; A. Murari; JET EFDA Contributors Collaboration (2013)

in 55th Annual Meeting of the APS Division of Plasma Physics, Denver, Colorado, USA, November 11-15, 2013

Conference Proceedings

1st semester

G. Manduchi, A. De Marchi, T. Fredian, J. Stillerman: "A new LabVIEW interface for MDSplus", poster, 9th IAEA Technical Meeting (IAEA-TM) on "Control, Data Acquisition, and Remote Participation for Fusion Research in Hefei, China from 06- 10 May 2013

G. Manduchi, T. Fredian, J. Stillerman: "A new Web-Based tool for data visualization in MDSplus", oral, 9th IAEA Technical Meeting (IAEA-TM) on "Control, Data Acquisition, and Remote Participation for Fusion Research in Hefei, China from 06- 10 May 2013, Proc. to be published in a special issue of Fusion Engineering and Design (FED)

G. Manduchi, T. Fredian, J. Stillerman: "Future directions of MDSplus", poster, 9th IAEA Technical Meeting (IAEA-TM) on "Control, Data Acquisition, and Remote Participation for Fusion Research in Hefei, China from 06- 10 May 2013, Proc. to be published in a special issue of Fusion Engineering and Design (FED)

A. Luchetta, G. Manduchi, C. Taliercio: "Fast Control and Data Acquisition in the Neutral Beam Test Facility" oral, 9th IAEA Technical Meeting (IAEA-TM) on "Control, Data Acquisition, and Remote Participation for Fusion Research in Hefei, China from 06- 10 May 2013, Proc. to be published in a special issue of Fusion Engineering and Design (FED)

Rais Bilel: "Development and Testing of Tungsten Coatings for the RFX-mod Device Wall", 14th International Conference on Plasma-Facing Materials and Components for Fusion Applications, Forschungszentrum Juelich, Germany, May 13th - 17th, 2013, proc. to be published

P. Agostinetti, N. Marconato, G. Chitarin, D. Marcuzzi, A. Rizzolo: "Construction and testing of grid prototypes for the ITER Neutral Beam Injectors" oral, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

A. Ferro, J. Framarin, L. Novello, A. Zamengo, L. Zanotto, and E. Gaio: "Critical revision of the RFX-MOD AC/DC conversion system design and possible improvements" oral, Proc. of 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013

N. Pilan, G. Chitarin, A. De Lorenzi and G. Serianni: "Effect of magnetic field on voltage holding in the MITICA Electrostatic Accelerator", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

A. Pesce, A. Zamengo, M. Bigi, N. Pomaro and V. Toigo: "Study of protection strategies against breakdown effects in the SPIDER experiment", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

Dalla Palma Mauro, N. Pomaro, M. Maniero, R. Pasqualotto, L. Trevisan, P. Sonato: "Design and R&D for MITICA thermal sensors", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

A. Ferro, J. J. Framarin, L. Novello, A. Zamengo, L. Zanotto, E. Gaio, "Review of the RFX-mod ac/dc Conversion System and Possible Improvements for New Plasma Scenarios", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

Dalla Palma, Mauro: "Hardening Parameters for Modelling CuCrZr and OFHC Copper under Cyclic Loadings", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran. on Plasma Sci. Special Issue

Pavei Mauro, S. Dal Bello, H. Groenveld, D. Marcuzzi, P. Sonato, P. Zaccaria: “Molybdenum armour layer on Copper plates manufacturing technologies and tests of prototypes”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

N. Marconato, G. Chitarin, P. Agostinetti, D. Aprile, P. Bettini, L. Grando, S. Peruzzo, G. Serianni¹, P. Sonato, P. Veltri: “Control Of The Magnetic Field Configuration In The MITICA Neutral Beam Injector”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

Pomaro Nicola, M. Dalla Palma, C. Taliercio, R. Pasqualotto: “Design and test of a thermal measurements prototype for SPIDER experiment”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

E. Sartori, S. Dal Bello, M. Fincato, W. Gonzalez, G. Serianni, P. Sonato: “Experimental validation of a molecular flow code with the ARIANNA setup”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

Sartori Emanuele, P. Veltri, G. Serianni, M. Dalla Palma, Chitarin, Sonato: “Beam transport and interactions with beam-line components in MITICA injector”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

Veltri Pierluigi, P. Agostinetti, G. Chitarin, N. Marconato, E. Sartori, G. Serianni: “Optimization of beam optics and strategies for the focusing of the multi-beamlet”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

G. Serianni, F. Bonomo, G. Chitarin, M. Dalla Palma, M. De Muri, P. Franzen, M. Pavei, A. Rizzolo, L. Schiesko, M. Valente, P. Veltri, V. Cervaro, D. Fasolo, L. Franchin, M. Tollin, and R. Pasqualotto: “Design and preliminary measurements of a diagnostic calorimeter for BATMAN”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

C. Rotti; M. Nagaraju; H. Patel; A. Chakraborty; M. Dalla Palma; P. Zaccaria; P. Sonato; D. Boilson “Design of Beam Dump for SPIDER facility”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

R.S.Delogu, M.Brombin, B.Zaniol, M.Agostini, M.Barbisan, N.Fonnesu, M.Tollin, R.Pasqualotto: “Optical Layout and Alignment Methods for Visible Tomography and Emission Spectroscopy Diagnostics in SPIDER”, 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

E.Delmas, R.Stafford-Allen, P.Mackay, P.R.Jones, R.Verhoeven, W.Rigato, M.Urbani, J.Graceffa, K.Roux, M.Dalla Palma, D.Marcuzzi, M.Dremel, A.El Ouazzani, F.Geli, D.Shah, J.Chareyre, C-H.Choi, R.Hemsworth, D.Boilson, B.Chuilon, G.Agarici: "ITER Neutral Beam Vacuum Vessel design", 25th Symposium on Fusion Engineering, San Francisco USA June 10-14, 2013, to be published on IEEE Tran.on Plasma Sci. Special Issue

2nd semester

EPS

Maria Ester Puiatti and the RFX-mod team: “Interaction between magnetic boundary and first wall recycling in the Reversed Field Pinch”, 40th European Physical Society Conference on Plasma Physics, Espoo, Finland, 1st—5th July 2013, Proc. Europhysics conference abstracts I1.102

M.Agostini, M.Brombin, C.Dianin, M.Mattiolo, R.Pasqualotto, G.Serianni: “Tomographic diagnostic of MITICA neutral beam: algorithm development”, ”, 40th European Physical Society Conference on Plasma Physics, Espoo, Finland, 1st—5th July 2013, Proc. Europhysics conference abstracts O6.507

G. De Masi, E. Martines, F. Auriemma, R. Cavazzana, B.Momo, C. Rea, S. Spagnolo, G. Spizzo, M. Spolaore, N. Vianello, M. Zuin: “The role of the magnetic topology in the Reversed Field Pinch edge physics”, 40th European Physical Society Conference on Plasma Physics, Espoo, Finland, 1st—5th July 2013, Proc. Europhysics conference abstracts O2.105

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