

Nicola Vianello

curriculum vitae

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Work

c/o Consorzio RFX
Euratom/ENEA
Association
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interests

Plasma physics, non-linear dynamics, turbulence, Fusion energy, Astrophysical plasmas, dynamics in social system

Education and Qualifications

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|-----------|---|------------------------------------|
| 1994 | High School, 56 out 60 | Liceo Scientifico U.Morin, Venezia |
| 1994-1999 | Laurea in Fisica,
M.Sc. in Physics magna cum Laude | Università degli Studi di Padova |
| | Thesis title: <i>Trasporto di particelle ed energia per effetto di turbolenza elettrostatica in plasmi confinati in configurazione Reversed Field Pinch</i> | |
| | Topics: Electrostatic anomalous transport. Sheared Flows. Active modification of boundary flow through edge biasing | |
| 2000-2002 | Ph.D in Energetics | Università degli Studi di Padova |
| | Thesis title: <i>Self-organization phenomena and coherent structure generation in magnetized plasmas</i> | |
| | Topics: Electromagnetic turbulence in Reversed Field Pinches and Tokamaks. Anomalous transport. Self Organized Criticality | |

Further Education

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|-----------|---|-------------------------|
| Oct 2000 | International School of Plasma Physics and Ultrafast Optics | Capri, Italy |
| Sept 2001 | 5th Carolus Magnus Euro-Summer School on Plasma and Fusion Energy Physics | Badhonnef, Germany |
| Jan 2002 | International School on Topics in Nonlinear Dynamics | Venice, Italy |
| Jun 2011 | 5th International ITER Summer School on MHD and energetic particles | Aix-en-Provence, France |

Employment

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|--------------------|---|---------------|
| 03-10 1999 | Consorzio RFX
Research Fellow | Padova, Italy |
| 11-2002
04-2003 | Consorzio RFX
Research Fellow | Padova, Italy |
| 05-2003 | | |

12-2005	Consorzio RFX Research Scientist	Padova, Italy
01-2006		
07-2009	Consorzio RFX Research Scientist, Permanent staff	Padova, Italy
07-2009		
Date	Consiglio nazionale delle Ricerche c/o Consorzio RFX Research Scientist, permanent staff	Padova, Italy

Further experiences

03-06 2001	Visiting Scientist under EURATOM-Mobility Staff Movement	Royal Institute of Technology Stockholm, Sweden
05-06 2002	Visiting Scientist under EURATOM-Mobility Staff Movement	Royal Institute of Technology Stockholm, Sweden
03-04 2003	Visiting Scientist under EURATOM-Mobility Staff Movement	Royal Institute of Technology Stockholm, Sweden
04-06 2004	Visiting Scientist under EURATOM-Mobility Staff Movement	Royal Institute of Technology Stockholm, Sweden
10-11 2005	Visiting Scientist under EURATOM-Mobility Staff Movement	Risø National Laboratory, Risø Denmark
02 2008	Visiting Scientist under EURATOM-Mobility Staff Movement	Max Plank Institut für Plasma Physik, Garching Germany
11 2009	Visiting Scientist under EURATOM-Mobility Staff Movement	CRPP, EPFL, Lausanne Switzerland
03 2011	Visiting Scientist under EURATOM-Mobility Staff Movement	Royal Institute of Technology Stockholm, Sweden
04 2011	Visiting Scientist under EURATOM-Mobility Staff Movement	The National Fusion Laboratory CIEMAT, Madrid Spain
05 2011	Visiting Scientist under EURATOM-Mobility Staff Movement	Max Plank Institut für Plasma Physik, Garching Germany
02-03 2012	Staff Secondment at JET	Culham Centre for Fusion Science, Culham, Oxford UK
07-11 2013	Staff Secondment at JET	Culham Centre for Fusion Science, Culham, Oxford UK

National and International Conferences

09 2000	EU-US Turbulence Task Force Meeting workshop	Varenna, Italy
04 2002	7th Easter Plasma Meeting Oral presentation see reference [C1]	Torino, Italy
06 2002	29th EPS Conference on Plasma Physics and Controlled Fusion	Montreux, Switzerland
10 2003	45th APS-Division of Fusion Plasma Physics Conference Poster see	Albuquerque, NM, USA

05 2004	10th IEA/RFP Workshop Oral presentation see [C4]	Padova, Italy
06 2004	31th EPS Conference on Plasma Physics Poster see [B13, B12]	London, UK
09 2004	EU-US Turbulence Task Force (TTF) workshop Oral presentation see [C3]	Varenna, Italy
11 2004	46th APS-Division of Fusion Plasma Physics Conference Oral presentation see [C2]	Savannah, GA, USA
07 2005	8th International Workshop on the Interrelationship between Plasma Experiments in Laboratory and Space Oral presentation see [C6]	Tromsø, Norway
09 2005	11th IEA/RFP Workshop Oral presentation see [C5]	Madison, WI, USA
06 2006	33th EPS Conference on Plasma Physics and Controlled Fusion Poster presentation see [B23]	Rome, Italy
10 2006	48th APS-Division of Fusion Plasma Physics Conference Poster presentation see [B24]	Philadelphia, PA, USA
04 2007	12th US-EU Transport Taskforce Workshop Oral presentation see [C8]	San Diego, CA, USA
09 2007	Momentum transport in jets, disks and laboratory plasmas	Alba, Italy
06 2008	35th EPS Conference on Plasma Physics Oral presentation see [B31]	Hersonissos, Greece
06 2008	EFTSOMP2008 - Workshop on Electric Fields, Turbulence and Self-Organisation in Magnetized Plasmas Oral presentation see [C11]	Hersonissos, Greece
09 2008	EU-US Turbulence Task Force (TTF) workshop Poster presentation	Copenhagen, Denmark
10 2008	13th IEA/RFP Workshop Oral presentation see [C10]	Stockholm, Sweden
03 2009	Workshop on Cross-Scale Coupling in Plasmas Oral presentation see [C14]	Cosenza, Italy
06 2009	35th EPS Conference on Plasma Physics and Controlled Fusion Poster presentations see [B36, B35]	Sofia, Bulgaria
09 2009	2nd EFDA Transport Topical Group Meeting Oral presentations see [C13, C12]	JET, Culham, UK
04 2010	14th IEA/RFP Workshop	Padova, Italy
11 2010	52th APS-Division of Fusion Plasma Physics Conference Oral presentation see [B47] and Poster presentation see [B48]	Chicago, IL, USA
10 2011	15th IEA/RFP Workshop Oral presentation see [C15]	Madison, WI, USA
07 2012	EFTSOMP2010 - Workshop on Electric Fields, Turbulence and Self-Organisation in Magnetized Plasmas Invited lecture, see [C16]	Stockholm, Sweden
10 2012	24th IAEA Fusion Energy Conference Poster presentation see [B62]	San Diego, CA, USA
03 2013	6th International Workshop on Stochasticity in Fusion Plasmas Oral presentation see [C17]	Jülich, Germany

Competition

05 2009 Public selection (Ref. 364/13) held by Consiglio Nazionale delle Ricerche. Advisor Committee:

- Prof. A. Fasoli, Full Professor, Ecole Polytechnique Federal Lausanne, Switzerland
- Dr. V. Antoni, Director Istituto Gas Ionizzati, Consiglio Nazionale delle Ricerche
- Dr. D. Farina, Research Scientist, Istituto di Fisica del Plasma, Consiglio Nazionale delle ricerche, Milano

The competition included two written exams and one colloquium. The candidate results the winner of the competition with a final mark of 104.5/120

Skills

IT skills

Operating systems	Linux, Unix, Windows, Mac OsX, Open VMS
Programming	Fortran 77/90, IDL (Interactive Data Language), Python, Bash Scripting Gnuplot, GIT Version Control
Office	Microsoft Office (Word, Excel, Powerpoint), iWork, \LaTeX , web, emails
Design	Adobe inDesign, Adobe Illustrator

Technical skills

- (i) Competences in data analysis and interpretation
- (ii) Competences in image processing
- (iii) Competences in fluid numerical modeling
- (iv) Competences in designing and projecting electrostatic and magnetic plasma diagnostics
- (v) Competences in UHV technology and plasma facing and ultra high vacuum compliant materials
- (vi) Competences in data acquisition through **MDSPLUS** technology

Duties and Responsibilities

2010 - Date Responsible Scientist for edge manipulators in RFX-mod device. Responsibilities implies the maintenance and improvement of the two manipulators used in RFX-mod for the insertion of edge probes, including maintenance and improvement of the probe heads. Development of new complex probe head, project which has required the coordination between design, mechanical and diagnostic technicians.

2009 Task force leader in RFX-mod experiment for task force *Particle, Momentum and energy transport*. The task force was in charge to implement experimental proposals aimed to the comprehension of physical mechanisms which regulate particle momentum and energy transport in RFX-mod. The task force leaders together with the Scientific Coordinators take part to the decision processes concerning the experimental program of the machine, deciding priorities and objectives.

- 2010** Task force leader in RFX-mod experiment for task force *Physics integration for high performance RFP*. The task force aimed to coordinate all the efforts devoted to the comprehension of the physical mechanism behind the appearance of improved confinement regimes in RFX-mod, to establish the physical requirement for a controlled achievement of h-mode confinement regime and to explore all the still open basic physics issues whose knowledge could help to improve plasma performances. As in the previous year the task force leaders take part to the scientific program schedule, coordinating in particular the activities for the high current performance operations.
- 2011** Coordinator of the EFDA working group *3D field effects in edge and SOL and diagnostic development* under EFDA Transport Topical Group. This working group has been established to coordinate the effort promoted by different EFDA associations on the following subject:
1. Investigation on the effect of non-axisymmetric fields on the filamentary structures (L and H-mode regimes)
 2. Investigation into changes in edge transport due to the application of 3D fields
 3. Characterization of the edge turbulence in these 3D situations (including effect of ion temperature and 3D fast particle losses)
 4. Edge turbulence and transport modeling by incorporating 3D field effects into the codes.
 5. Comparison studies between tokamaks, stellarators and RFPs on the above topics.
- The coordinators promote exchange of results between different association and the definition of common objectives which facilitate the comparison between different devices.
- 2012** Member of the Program committee of the 17th Joint EU-US Transport Task Force Meeting in combination with the 4th EFDA Transport Topical Group meeting, 3-6 September 2012, Padova, Italy

Publications

I have authored a total number of 84 Articles in peer reviewed journal, 68 conference proceedings and personally presented 17 oral contribution.
h-index factor: 18 according to ISI Web of Knowledge (last update July 24, 2013)

article in peer-review journal

- [A1] V. Antoni, R. Cavazzana, L. Fattorini, E. Martines, G. Serianni, M. Spolaore, L. Tramontin, and N. Vianello "Effects of pulsed poloidal current drive on the edge region of a reversed field pinch plasma", *Plasma Physics and Controlled Fusion* **42**, 893–904, (2000).
- [A2] V. Antoni, E. Martines, D. Desideri, L. Fattorini, G. Serianni, M. Spolaore, L. Tramontin, and N. Vianello "Electrostatic transport reduction induced by flow shear modification in a reversed field pinch plasma", *Plasma Physics and Controlled Fusion* **42**, 83–90, (2000).
- [A3] V. Antoni, V. Carbone, R. Cavazzana, G. Regnoli, N. Vianello, E. Spada, L. Fattorini, E. Martines, G. Serianni, M. Spolaore, L. Tramontin, and P. Veltri "Transport processes in reversed-field-pinch plasmas: Inconsistency with the self-organized-criticality paradigm", *Phys. Rev. Lett.* **87**, 045001, (2001).
- [A4] V. Antoni, V. Carbone, E. Martines, G. Regnoli, G. Serianni, N. Vianello, and P. Veltri "Electrostatic turbulence intermittency and MHD relaxation phenomena in a RFP plasma", *Europhys Lett* **54**, 51–57, (2001).

- [A5] V. Antoni, M. Valisa, L. Apolloni, M. Bagatin, W. Baker, O. Barana, R. Bartiromo, P. Bettini, A. Boboc, T. Bolzonella, A. Buffa, A. Canton, S. Cappello, L. Carraro, R. Cavazzana, G. Chitarin, S. Costa, F. D'Angelo, S. D. Bello, A. D. Lorenzi, D. Desideri, D. F. Escande, L. Fattorini, P. Fiorentin, P. Franz, E. Gaio, L. Garzotti, L. Giudicotti, F. Gnesotto, L. Grando, S. Guo, P. Innocente, A. Intravaia, R. Lorenzini, A. Luchetta, G. Malesani, G. Manduchi, G. Marchiori, L. Marrelli, P. Martin, E. Martines, S. Martini, A. Maschio, A. Masiello, F. Milani, M. Moresco, A. Murari, P. Nielsen, M. O'Gorman, S. Ortolani, R. Paccagnella, R. Pasqualotto, B. Pegourie, S. Peruzzo, R. Piovani, N. Pomaro, A. Pionno, G. Preti, M. Puiatti, G. Rostagni, F. Sattin, P. Scarin, G. Serianni, P. Sonato, E. Spada, G. Spizzo, M. Spolaore, C. Taliercio, G. Telesca, D. Terranova, V. Toigo, L. Tramontin, N. Vianello, M. Viterbo, L. Zabeo, P. Zaccaria, P. Zanca, B. Zaniol, L. Zanutto, E. Zilli, and G. Zollino "Transport mechanisms and enhanced confinement studies in RFX", *Nucl. Fusion* **41**, 431–436, (2001).
- [A6] E. Martines, M. Spolaore, V. Antoni, G. Regnoli, N. Vianello, R. Cavazzana, G. Serianni, and L. Tramontin " $E \times B$ velocity shear and intermittent structures in RFX", *Czechoslovak Journal Of Physics* **51**, 983–993, (2001).
- [A7] G. Serianni, V. Antoni, H. Bergs aker, P. R. Brunell, J. Drake, M. Spolaore, H. S atherblom, and N. Vianello "Electrostatic fluxes and plasma rotation in the edge region of EXTRAP-T2R", *Czechoslovak Journal Of Physics* **51**, 1119–1127, (2001).
- [A8] E. Spada, V. Carbone, R. Cavazzana, L. Fattorini, G. Regnoli, N. Vianello, V. Antoni, E. Martines, G. Serianni, M. Spolaore, and L. Tramontin "Search of self-organized criticality processes in magnetically confined plasmas: Hints from the reversed field pinch configuration", *Phys. Rev. Lett.* **86**, 3032–3035, (2001).
- [A9] M. Spolaore, V. Antoni, M. Bagatin, D. Desideri, L. Fattorini, E. Martines, G. Serianni, L. Tramontin, and N. Vianello "Study of edge plasma properties comparing operation in hydrogen and helium in RFX", *Journal of Nuclear Materials* **290-293**, 729–732, (2001).
- [A10] V. Carbone, R. Cavazzana, V. Antoni, L. Sorriso-Valvo, E. Spada, G. Regnoli, P. Giuliani, N. Vianello, F. Lepreti, R. Bruno, E. Martines, and P. Veltri "To what extent can dynamical models describe statistical features of turbulent flows?", *Europhys Lett* **58**, 349–355, (2002).
- [A11] P. Martin, S. Martini, V. Antoni, L. Apolloni, M. Bagatin, W. Baker, O. Barana, R. Bartiromo, P. Bettini, A. Boboc, T. Bolzonella, A. Buffa, A. Canton, S. Cappello, L. Carraro, R. Cavazzana, G. Chitarin, S. Costa, F. D'Angelo, S. D. Bello, A. D. Lorenzi, D. Desideri, D. F. Escande, L. Fattorini, P. Fiorentin, P. Franz, E. Gaio, L. Garzotti, L. Giudicotti, F. Gnesotto, L. Grando, S. Guo, P. Innocente, A. Intravaia, R. Lorenzini, A. Luchetta, G. Malesani, G. Manduchi, G. Marchiori, L. Marrelli, E. Martines, A. Maschio, A. Masiello, F. Milani, M. Moresco, A. Murari, P. Nielsen, M. O'Gorman, S. Ortolani, R. Paccagnella, R. Pasqualotto, B. Pegourie, S. Peruzzo, R. Piovani, N. Pomaro, A. Pionno, G. Preti, M. Puiatti, G. Rostagni, F. Sattin, P. Scarin, G. Serianni, P. Sonato, E. Spada, G. Spizzo, M. Spolaore, C. Taliercio, G. Telesca, D. Terranova, V. Toigo, L. Tramontin, M. Valisa, N. Vianello, M. Viterbo, L. Zabeo, P. Zaccaria, P. Zanca, B. Zaniol, L. Zanutto, E. Zilli, and G. Zollino "New insights into MHD dynamics of magnetically confined plasmas from experiments in RFX", *Nucl. Fusion* **42**, 247–257, (2002).
- [A12] E. Martines, V. Antoni, R. Cavazzana, G. Regnoli, G. Serianni, M. Spolaore, N. Vianello, M. Hron, and J. Stockel "Coherent structures in the plasma edge turbulence of the RFX and CASTOR experiments", *Czechoslovak Journal Of Physics* **52**, 13–24, (2002).
- [A13] M. Spolaore, V. Antoni, R. Cavazzana, G. Regnoli, G. Serianni, E. Spada, N. Vianello, H. Bergs aker, and J. Drake "Effects of $E \times B$ velocity shear on electrostatic structures", *Phys. Plasmas* **9**, 4110–4113, (2002).
- [A14] L. Tramontin, L. Garzotti, V. Antoni, L. Carraro, D. Desideri, P. Innocente, E. Martines, G. Serianni, M. Spolaore, and N. Vianello "Particle balance during edge biasing experiments in the reversed field pinch RFX", *Plasma Physics and Controlled Fusion* **44**, 195–204, (2002).

- [A15] N. Vianello, M. Spolaore, G. Serianni, H. Bergs aker, V. Antoni, and J. Drake “*Properties of the edge plasma in the rebuilt Extrap-T2R reversed field pinch experiment*”, *Plasma Physics and Controlled Fusion* **44**, 2513–2523, (2002).
- [A16] V. Antoni, M. Bagatin, G. Serianni, N. Vianello, M. Zuin, F. Paganucci, P. Rossetti, and M. Andrenucci “*Plasma Fluctuations in an Applied Field MPD Thruster*”, *AIP Conf. Proc.* **669**, 302–305, (2003).
- [A17] V. Antoni, H. Bergs aker, G. Serianni, M. Spolaore, N. Vianello, R. Cavazzana, G. Regnoli, E. Spada, E. Martines, M. Bagatin, and J. Drake “*Anomalous particle transport and flow shear in the edge region of RFPs*”, *Journal of Nuclear Materials* **313-316 IS -**, 972–975, (2003).
- [A18] V. Antoni, G. Regnoli, M. Spolaore, G. Serianni, N. Vianello, R. Cavazzana, E. Spada, and E. Martines “*Transport Due to Intermittent Events and Plasma Flow Shear in Magnetized Plasmas*”, *AIP Conf. Proc.* **669**, 191–194, (2003).
- [A19] M. Puiatti, S. Cappello, R. Lorenzini, S. Martini, S. Ortolani, R. Paccagnella, F. Sattin, D. Terranova, T. Bolzonella, A. Buffa, A. Canton, L. Carraro, D. F. Escande, L. Garzotti, P. Innocente, L. Marrelli, E. Martines, P. Scarin, G. Spizzo, M. Valisa, P. Zanca, V. Antoni, L. Apolloni, M. Bagatin, W. Baker, O. Barana, D. Bettella, P. Bettini, R. Cavazzana, M. Cavinato, G. Chitarin, A. Cravotta, F. D’Angelo, S. D. Bello, A. D. Lorenzi, D. Desideri, P. Fiorentin, P. Franz, L. Frassinetti, E. Gaio, L. Giudicotti, F. Gnesotto, L. Grandi, S. Guo, A. Luchetta, G. Malesani, G. Manduchi, G. Marchiori, D. Marcuzzi, P. Martin, A. Masiello, F. Milani, M. Moresco, A. Murari, P. Nielsen, R. Pasqualotto, B. Pegourie, S. Peruzzo, R. Piovan, P. Piovesan, N. Pomaro, G. Preti, G. Regnoli, G. Rostagni, G. Serianni, P. Sonato, E. Spada, M. Spolaore, C. Taliercio, G. Telesca, V. Toigo, N. Vianello, P. Zaccaria, B. Zaniol, L. Zanutto, E. Zilli, G. Zollino, and M. Zuin “*Analysis and modelling of the magnetic and plasma profiles during PPCD experiments in RFX*”, *Nucl. Fusion* **43**, 1057–1065, (2003).
- [A20] V. Antoni, H. Bergs aker, R. Cavazzana, V. Carbone, J. Drake, E. Martines, G. Regnoli, G. Serianni, E. Spada, M. Spolaore, and N. Vianello “*Turbulence and Anomalous Transport in Magnetized Plasmas: Hints from the Reversed Field Pinch Configuration*”, *Contrib. Plasma Phys.* **44**, 458–464, (2004).
- [A21] F. Sattin, N. Vianello, and M. Valisa “*On the probability distribution function of particle density at the edge of fusion devices*”, *Phys. Plasmas* **11**, 5032, (2004).
- [A22] M. Spolaore, V. Antoni, E. Spada, H. Bergs aker, R. Cavazzana, J. Drake, E. Martines, G. Regnoli, G. Serianni, and N. Vianello “*Vortex-induced diffusivity in reversed field pinch plasmas*”, *Phys. Rev. Lett.* **93**, 215003, (2004).
- [A23] V. Antoni, E. Spada, N. Vianello, M. Spolaore, R. Cavazzana, G. Serianni, and E. Martines “*Shear flows generated by plasma turbulence and their influence on transport*”, *Plasma Physics and Controlled Fusion* **47**, B13–B23, (2005).
- [A24] G. Regnoli, H. Bergs aker, E. Tennfors, F. Zonca, E. Martines, G. Serianni, M. Spolaore, N. Vianello, M. Cecconello, V. Antoni, R. Cavazzana, and J.-A. Malmberg “*Observations of toroidicity-induced Alfv en eigenmodes in a reversed field pinch plasma*”, *Phys. Plasmas* **12**, 042502, (2005).
- [A25] F. Sattin and N. Vianello “*Statistical model for intermittent plasma edge turbulence*”, *Phys. Rev. E* **72**, 5, (2005).
- [A26] F. Sattin, N. Vianello, M. Valisa, V. Antoni, and G. Serianni “*On the probability distribution function of particle density and flux at the edge of fusion devices*”, *J. Phys.: Conf. Ser.* **7**, 247–252, (2005).
- [A27] M. Spolaore, V. Antoni, E. Spada, H. Bergs aker, R. Cavazzana, J. R. Drake, E. Martines, G. Regnoli, G. Serianni, and N. Vianello “*Coherent structure diffusivity in the edge region of Reversed Field Pinch experiments*”, *J. Phys.: Conf. Ser.* **7**, 253–258, (2005).
- [A28] N. Vianello, V. Antoni, E. Spada, M. Spolaore, G. Serianni, R. Cavazzana, H. Bergs aker, M. Cecconello, and J. Drake “*Reynolds and Maxwell stress measurements in the reversed field pinch experiment Extrap-T2R*”, *Nucl. Fusion* **45**, 761–766, (2005).

- [A29] N. Vianello, E. Spada, V. Antoni, M. Spolaore, G. Serianni, G. Regnoli, R. Cavazzana, H. Bergs aker, and J. R. Drake “*Self-Regulation of $E \times B$ Flow Shear via Plasma Turbulence*”, *Phys. Rev. Lett.* **94**, 135001, (2005).
- [A30] V. Antoni, J. Drake, E. Spada, M. Spolaore, N. Vianello, H. Bergs aker, R. Cavazzana, M. Cecconello, E. Martines, and G. Serianni “*Coherent structures and anomalous transport in reversed field pinch plasmas*”, *Phys. Scr.* **T122**, 1–7, (2006).
- [A31] R. Paccagnella, S. Ortolani, P. Zanca, A. Alfier, T. Bolzonella, L. Marrelli, M. E. Puiatti, G. Serianni, D. Terranova, M. Valisa, M. Agostini, L. Apolloni, F. Auriemma, F. Bonomo, A. Canton, L. Carraro, R. Cavazzana, M. Cavinato, P. Franz, E. Gazza, L. Grando, P. Innocente, R. Lorenzini, A. Luchetta, G. Manduchi, G. Marchiori, S. Martini, R. Pasqualotto, P. Piovesan, N. Pomaro, P. Scarin, G. Spizzo, M. Spolaore, C. Taliercio, N. Vianello, B. Zaniol, L. Zanutto, and M. Zuin “*Active-Feedback Control of the Magnetic Boundary for Magnetohydrodynamic Stabilization of a Fusion Plasma*”, *Phys. Rev. Lett.* **97**, 4, (2006).
- [A32] F. Sattin, P. Scarin, M. Agostini, R. Cavazzana, G. Serianni, M. Spolaore, and N. Vianello “*Statistical features of edge turbulence in RFX-mod from gas puffing imaging*”, *Plasma Physics and Controlled Fusion* **48**, 1033–1051, (2006).
- [A33] N. Vianello, V. Antoni, E. Spada, M. Spolaore, G. Serianni, R. Cavazzana, H. Bergs aker, M. Cecconello, and J. R. Drake “*Turbulence, flow and transport: hints from reversed field pinch*”, *Plasma Physics and Controlled Fusion* **48**, S193–S203, (2006).
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