

## Annex A: Publications list

I have authored a total number of 105 Articles in peer reviewed journal, 90 conference proceedings and personally presented 18 oral contributions.

h-index factor: **23** according to ISI Web of Knowledge (last update March 3, 2017), **29** according to Google Scholar (last update March 3, 2017)

### Article in peer-review journal

- [1] 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).
- [2] 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).
- [3] 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", *Physical Review Letters* **87**, 045001, (2001).
- [4] 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).
- [5] 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. Piovan, N. Pomaro, A. Ponno, 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).
- [6] E. Martines, M. Spolaore, V. Antoni, G. Regnoli, N. Vianello, R. Cavazzana, G. Serianni, and L. Tramontin "E x B velocity shear and intermittent structures in RFX", *Czechoslovak Journal Of Physics* **51**, 983–993, (2001).
- [7] G. Serianni, V. Antoni, H. Bergs aker, P. R. Brunzell, J. Drake, M. Spolaore, H. Satherblom, and N. Vianello "Electrostatic fluxes and plasma rotation in the edge region of EXTRAP-T2R", *Czechoslovak Journal Of Physics* **51**, 1119–1127, (2001).
- [8] 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", *Physical Review Letters* **86**, 3032–3035, (2001).
- [9] 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).
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- [15] 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).
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## Declaration

I hereby declare that the above information are true and correct to the best of my knowledge and belief and in the event of any information being found false or incorrect, my candidature will be liable to be canceled.

Lausanne, March 3, 2017



(Nicola Vianello)