

- [187] D. Aprile, G. Chitarin and N. Marconato, "NBImag: A Useful Tool in the Design of Magnetic Systems for the ITER Neutral Beam Injectors", presented at 27th IEEE Symposium On Fusion Engineering 4 – 8 June 2017, Shanghai, China accepted for publication in IEEE Transactions on Plasma Science
- [186] G. Chitarin, P. Agostinetti, D. Aprile, C. Baltador, J. Hiratsuka, M. Ichikawa, A. Kojima, M. Kashiwagi, N. Marconato, E. Sartori, G. Serianni, P. Veltri, "Benchmark of 3D multi-Beamlet Numerical Models for the Optics Design of Negative Ion Accelerators", presented at ICIS2017, Geneva, CH, 15-20 Oct. 2017, to be published on AIP Conference proceedings
- [185] (conference paper) E. Sartori, V. Antoni, M. Cavenago, G. Chitarin, R. Pasqualotto, E. Sartori, G. Serianni, S. Suweis, P. Veltri "Particle beams as controllable complex systems: application of the network theory", 26th International TOKI Conference (Toki, Gifu, JAPAN) 5-8 Dec 2017, to be published in Plasma and Fusion Research (PFR)
- [184] (conference paper) G. Serianni, V. Antoni, M. Cavenago, G. Chitarin, N. A. Ferron, R. Pasqualotto, E. Sartori, S. Suweis, P. Veltri "Mechanisms behind generation and acceleration of negative ions as an example of complex network" Fismat 2017, Trieste 1-5 October 2017
- [183] (conference paper) V. Antoni, F. Taccogna, M. Fadone, G. Chitarin, A. Fassina, G. Serianni, E. Sartori, P. Veltri, M. Cavenago, P. Minelli "Preliminary study for an alternative new concept of an efficient negative ion source" presented at ICIS2017, Geneva, CH, 15-20 Oct. 2017, to be published on AIP Conference proceedings
- [182] (Book) G. Chitarin, F. Gnesotto, M. Guarnieri, A. Maschio, A. Stella, "Elettrotecnica 1. Principi", Società Editrice Esculapio, Bologna Sept. 2017, ISBN: 9788893850506
- [P181] (Journal article) Litaudon, X., Abduallev, S., Abhangi, M., Abreu, ... Chitarin G. et al. "Overview of the JET results in support to ITER" Nucl. Fusion 57 (2017) 102001, <https://doi.org/10.1088/1741-4326/aa5e28> WOS:000408488600001 2-s2.0-85020851463
- [P180] (Journal article) V Toigo, R Piovon, S Dal Bello, E Gaio, A Luchetta, R Pasqualotto, P Zaccaria, M Bigi, G Chitarin, D Marcuzzi, N Pomaro, G Serianni, P Agostinetti, M Agostini, V Antoni, D Aprile, C Baltador, M Barbisan, M Battistella, M Boldrin, M Brombin, M Dalla Palma, A De Lorenzi, R Delogu, M De Muri, F Fellin, A Ferro, A Fiorentin, G Gambetta, F Gnesotto, L Grando, P Jain, A Maistrello, G Manduchi, N Marconato, M Moresco, E Ocello, M Pavei, S Peruzzo, N Pilan, A Pimazzoni, M Recchia, A Rizzolo, G Rostagni, E Sartori, M Siragusa, P Sonato, A Sottocornola, E Spada, S Spagnolo, M Spolaore, C Taliercio, M Valente, P Veltri, A Zamengo, B Zaniol, L Zanutto, M Zaupa, D Boilson, J Graceffa, L Svensson, B Schunke, H Decamps, M Urbani, M Kushwah, J Chareyre, M Singh, T Bonicelli, G Agarici, A Garbuglia, A Masiello, F Paolucci, M Simon, L Bailly-Maitre, E Bragulat, G Gomez, D Gutierrez, G Mico, J-F Moreno, V Pilard, M Kashiwagi, M Hanada, H Tobari, K Watanabe, T Maejima, A Kojima, N Umeda, H Yamanaka, A Chakraborty, U Baruah, C Rotti, H Patel, M V Nagaraju, N P Singh, A Patel, H Dhola, B Raval, U Fantz, B Heinemann, W Kraus, S Hanke, V Hauer, S Ochoa, P Blatchford, B Chuilon, Y Xue, H P L De Esch, R Hemsworth, G Croci, G Gorini, M Rebai, A Muraro, M Tardocchi, M Cavenago, M D'Arienzo, S Sandri and ATonti, "The PRIMA Test Facility: SPIDER and MITICA test-beds for ITER neutral beam injectors" New J. Phys. 19 (2017) 085004, <https://doi.org/10.1088/1367-2630/aa78e8> WOS:000408488600001 2-s2.0-85018358148
- [P179] (Journal article) G. Serianni, P. Agostinetti, M. Agostini, V. Antoni, D. Aprile, C. Baltador, M. Barbisan, M. Brombin, M. Cavenago, G. Chitarin, M. Dalla Palma, R. Delogu, F. Fellin, N. Fonnesu, N. Marconato, R. Pasqualotto, A. Pimazzoni, E. Sartori, S. Spagnolo, M. Spolaore, P. Veltri, B. Zaniol and M. Zaupa, "Neutralisation and transport of negative ion beams: physics and diagnostics", New J. Phys. 19 (2017) 045003, <https://10.1088/1367-2630/aa64bd> WOS:000400436600002 2-s2.0-85018270932
- [P178] (Journal article) M. Zuin, S. Dal Bello, L. Marrelli, M.E. Puiatti, P. Agostinetti, M. Agostini, V. Antoni, F. Auremma, M. Barbisan, T. Barbui, M. Baruzzo, F. Belli, P. Bettini, M. Bigi, R. Bilel, M. Boldrin, T. Bolzonella, D. Bonfiglio, M. Brombin, A. Buffa, C. Bustreo, A. Canton, S. Cappello, L. Carraro, R. Cavazzana, D. Cester, L. Chacon, G. Chitarin, W.A. Cooper, L. Cordaro, M. Dalla Palma, S. Deambrosis, R. Delogu, A. De Lorenzi, G. De Masi, J.Q. Dong, D.F. Escande, A. Fassina, F. Felici, A. Ferro, C. Finotti, P. Franz, L. Frassinetti, E. Gaio, F. Ghezzi, L. Giudicotti, F. Gnesotto, M. Gobbin, W.A. Gonzalez, L. Grando, S.C. Guo, J.D.

- Hanson, S.P. Hirshman, P. Innocente, J.L. Jackson, S. Kiyama, M. Komm, O. Kudlacek, L. Laguardia, C. Li, S.F. Liu, Y.Q. Liu, D. López-Bruna, R. Lorenzini, T.C. Luce, A. Luchetta, A. Maistrello, G. Manduchi, D.K. Mansfield, G. Marchiori, N. Marconato, D. Marcuzzi, P. Martin, E. Martines, S. Martini, G. Mazzitelli, O. McCormack, E. Miorin, B. Momo, M. Moresco, Y. Narushima²⁸, M. Okabayashi, 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, A. Rizzolo, G. Rostagni, C. Ruset, L. Sajó-Bohus, H. Sakakita, R. Sanchez, J.S. Sarff, F. Sattin, P. Scarin, O. Schmitz, W. Schneider, M. Siragusa, P. Sonato, E. Spada, S. Spagnolo, M. Spolaore, D.A. Spong⁴, G. Spizzo, L. Stevanato, Y. Suzuki, C. Taliercio, D. Terranova, G. Urso, M. Valente, M. Valisa, M. Vallar, M. Veranda, N. Vianello, F. Villone, P. Vincenzi, N. Visonà, R.B. White, P. Xanthopoulos, X.Y. Xu, V. Yanovskiy, A. Zamengo, P. Zanca, B. Zaniol, L. Zanutto, Y. Zhang and E. Zilli, "**Overview of the RFX-mod Fusion Science Activity**", Nucl. Fusion 57 (2017) 102012 (14pp), <https://doi.org/10.1088/1741-4326/aa61cc> WOS:00040462060000, 2-s2.0-85028449820
- [P177] (Journal article) V. Toigo, S. Dal Bello, E. Gaio, A. Luchetta, R. Pasqualotto¹, P. Zaccaria, M. Bigi, G. Chitarin, D. Marcuzzi, N. Pomaro, G. Serianni, P. Agostinetti¹, M. Agostini, V. Antoni, D. Aprile, C. Baltador, M. Barbisan, M. Battistella, M. Boldrin, M. Brombin, M. Dalla Palma, A. De Lorenzi, R. Delogu, M. De Muri, F. Fellin, A. Ferro, G. Gambetta, L. Grando, P. Jain, A. Maistrello, G. Manduchi, N. Marconato, M. Pavei, S. Peruzzo, N. Pilan, A. Pimazzoni, R. Piovan, M. Recchia, A. Rizzolo, E. Sartori, M. Siragusa, E. Spada, S. Spagnolo, M. Spolaore, C. Taliercio, M. Valente, P. Veltri, A. Zamengo, B. Zaniol, L. Zanutto, M. Zaupa, D. Boilson, J. Graceffa, L. Svensson, B. Schunke, H. Decamps, M. Urbani, M. Kushwah, J. Chareyre, M. Singh, T. Bonicelli, G. Agarici, A. Garbuglia, A. Masiello, F. Paolucci, M. Simon, L. Bailly-Maitre, E. Bragulat, G. Gomez, D. Gutierrez, G. Mico, J.-F. Moreno, V. Pilard, A. Chakraborty, U. Baruah, C. Rotti, H. Patel, M.V. Nagaraju, N.P. Singh, A. Patel, H. Dhola, B. Raval, U. Fantz, M. Frösche, B. Heinemann, W. Kraus, R. Nocentini, R. Riedl, L. Schiesko, C. Wimmer, D. Wunderlich, M. Cavenago, G. Croci, G. Gorini, M. Rebai, A. Muraro, M. Tardocchi and R. Hemsworth "**The ITER Neutral Beam Test Facility toward SPIDER operation**", Nucl. Fusion 57 (2017) 086027, <https://doi.org/10.1088/1741-4326/aa7490> WOS:000404879300002 2-s2.0-85026545856
- [P176] (Book chapter) G. Chitarin, "**Interaction between molten alloys and electro-magnetic fields: levitation and cold crucible**", in "Liquid Metals and Alloys: From Structure to Industrial Applications", L. Arnberg, F. Bonollo and R. Montanari editors, Materials Science Forum, Vol. 884, Trans Tech Publications, ISBN: 978-3-03835-640-0, (2016) <https://10.4028/www.scientific.net/MSF.884.53>
- [P175] (Journal article) Toigo, V.; Piovan, R.; Dal Bello, S.; Gaio, E.; Luchetta, A.; Pasqualotto, R.; Zaccaria, P.; Bigi, M.; Chitarin, G.; Marcuzzi, D.; Pomaro, N.; Serianni, G.; Agostinetti, P.; Agostini, M.; Antoni, V.; Aprile, D.; Baltador, C.; Barbisan, M.; Battistella, M.; Boldrin, M.; Brombin, M.; Dalla Palma, M.; De Lorenzi, A.; Delogu, R.; De Muri, M.; Fellin, F.; Ferro, A.; Finotti, C.; Fiorentin, A.; Gambetta, G.; Gnesotto, F.; Grando, L.; Jain, P.; Maistrello, A.; Manduchi, G.; Marconato, N.; Moresco, M.; Ocello, E.; Pavei, M.; Peruzzo, S.; Pilan, N.; Pimazzoni, A.; Recchia, M.; Rizzolo, A.; Rostagni, G.; Sartori, E.; Siragusa, M.; Sonato, P.; Sottocornola, A.; Spada, E.; Spagnolo, S.; Spolaore, M.; Taliercio, C.; Valente, M.; Veltri, P.; Zamengo, A.; Zaniol, B.; Zanutto, L.; Zaupa, M.; Boilson, D.; Graceffa, J.; Svensson, L.; Schunke, B.; Decamps, H.; Urbani, M.; Kushwah, M.; Chareyre, J.; Singh, M.; Bonicelli, T.; Agarici, G.; Masiello, A.; Paolucci, F.; Simon, M.; Bailly-Maitre, L.; Bragulat, E.; Gomez, G.; Gutierrez, D.; Mico, G.; Moreno, J.-F.; Pilard, V.; Kashiwagi, M.; Hanada, M.; Tobar, H.; Watanabe, K.; Maeshima, T.; Kojima, A.; Umeda, N.; Yamanaka, H.; Chakraborty, A.; Baruah, U.; Rotti, C.; Patel, H.; Nagaraju, M.V.; Singh, N.P.; Patel, A.; Dhola, H.; Raval, B.; Fantz, U.; Heinemann, B.; Kraus, W.; Hanke, S.; Hauer, V.; Ochoa, S.; Blatchford, P.; Chuilon, B.; Xue, Y.; De Esch, H.P.L.; Hemsworth, R.; Croci, G.; Gorini, G.; Rebai, M.; Muraro, A.; Cavenago, M.; D'Arienzo, M.; Sandri, S.. "**A substantial step forward in the realization of the ITER HNB system: The ITER NBI Test Facility**", Fusion Engineering and Design 123 (2017) 32–39 <https://doi.org/10.1016/j.fusengdes.2016.11.007> 2-s2.0-85008213292
- [P174] (Journal article) D. Aprile, P. Agostinetti, C. Baltador, J. Hiratsuka, M. Ichikawa, M. Kashiwagi A. Kojima, N. Marconato, E. Sartori, G. Serianni, P. Veltri, M. Yoshida, G. Chitarin "**Realization of a magnetically compensated extraction grid for performance improvement of next generation NBI**" Fusion Engineering and Design 123 (2017) 400–405 <https://doi.org/10.1016/j.fusengdes.2017.03.122> 2-s2.0-85017376397
- [P173] (Journal article) G. Chitarin, D. Aprile, M. Brombin, N. Marconato, L. Svensson, "**Feasibility study of a flux-gate magnetic field sensor suitable for ITER Neutral Beam Injectors**"

- [P172] (Book chapter) G. Chitarin, A. Kojima, P. Agostinetti, D. Aprile, C. Baltador, J. Hiratsuka, M. Ichikawa, N. Marconato, E. Sartori, G. Serianni, P. Veltri, M. Yoshida, M. Kashiwagi, M. Hanada, V. Antoni “**Experimental validation of an innovative deflection compensation method in a multi-beamlet negative-ion accelerator**”, AIP Conference Proceedings 1869, 030026 (2017); <https://doi.org/10.1063/1.4995746>
- [P171] (Book chapter) M. Ichikawa, A. Kojima, G. Chitarin, P. Agostinetti, D. Aprile, C. Baltador, M. Barbisan, R. Delogu, J. Hiratsuka, N. Marconato, R. Nishikiori, A. Pimazzoni, E. Sartori, G. Serianni, H. Tobar, N. Umeda, P. Veltri, K. Watanabe, M. Yoshida, V. Antoni and M. Kashiwagi “**Determination of the meniscus shape of a negative ion beam from an experimentally obtained beam profile**”, AIP Conference Proceedings 1869, 030024 (2017); <https://doi.org/10.1063/1.4995744>
- [P170] (Journal article) R S Hemsworth, D Boilson, P Blatchford, M Dalla Palma, G Chitarin, H P L de Esch, F Geli, M Dremel, J Graceffa, D Marcuzzi, G Serianni, D Shah, M Singh, M Urbani and P Zaccaria, “**Overview of the design of the ITER heating neutral beam injectors**”, New J. Phys. 19 (2017) 025005, <https://doi.org/10.1088/1367-2630/19/2/025005> 2-s2.0-85014346982
- [P169] (Journal article) 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 And P. Zaccaria “**The Full-Size Source and Injector Prototypes for ITER Neutral Beams**” Plasma and Fusion Research, Volume 11, 2402119 (2016), <https://doi.org/10.1585/pfr.11.2402119> 2-s2.0-85009735954
- [P168] (Journal article) P. Veltri, E. Sartori, P. Agostinetti, D. Aprile, M. Brombin, G. Chitarin, N. Fomesu, K. Ikeda, M. Kasaki, H. Nakano A. Pimazzoni, K. Tsumori and G. Serianni “**Ion beam transport: modelling and experimental measurements on a large negative ion source in view of the ITER heating neutral beam**” Nucl. Fusion 57 (2017) 016025, <https://doi.org/10.1088/0029-5515/57/1/016025> 2-s2.0-85009786937
- [P167] (Journal article) Singh, M.J., Boilson, D., Hemsworth, R., Chareyre, J., Decamps, H., Delmas, E., Geli, F., Graceffa, J., Schunke, B., Svensson, L., Shah, D., El Ouazzani, A., Urbani, M., De Esch, H.P.L., Antoni, V., Chitarin, G., Serianni, G., Marcuzzi, D., Toigo, V., Zaccaria, P., Fantz, U., Franzen, P., Heinemann, B., Kraus, W., Kashiwagi, M., Hanada, M., Tobar, H., Kuriyama, M., Masiello, A., Bonicelli, T. “**Heating Neutral Beams for ITER: Present Status**”, IEEE Transactions On Plasma Science, Volume: 44 Issue: 9, Pages: 1496-1505 (2016) <https://doi.org/10.1109/TPS.2016.2586598>
- [P166] (Conference paper) Singh, M.J., Boilson, D., Hemsworth, R., Chareyre, J., Decamps, H., Delmas, E., Geli, F., Graceffa, J., Schunke, B., Svensson, L., Shah, D., El Ouazzani, A., Urbani, M., De Esch, H.P.L., Antoni, V., Chitarin, G., Serianni, G., Marcuzzi, D., Toigo, V., Zaccaria, P., Fantz, U., Franzen, P., Heinemann, B., Kraus, W., Kashiwagi, M., Hanada, M., Tobar, H., Kuriyama, M., Masiello, A., Bonicelli, T. “**Heating Neutral Beams for ITER: Present Status**”, 26th IEEE Symposium on Fusion Engineering, SOFE 2015; Austin; United States; 31 May - 4 June 2015; (2016) <https://doi.org/10.1109/SOFE.2015.7482422>
- [P165] (Journal article) P. Agostinetti, G. Chitarin, G. Gambetta, D. Marcuzzi “**Two key improvements to enhance the thermo-mechanic performances of accelerator grids for neutral beam injectors**”, Fusion Engineering and Design 109-111 (2016) <https://doi.org/10.1016/j.fusengdes.2016.01.056>
- [P164] (Journal article) C. Baltador, P. Veltri, P. Agostinetti, G. Chitarin, and G. Serianni “Multi-beamlet investigation of the deflection compensation methods of SPIDER beamlets”, Review of Scientific Instruments 87, 02B141 (2016); <https://doi.org/10.1063/1.4935228>
- [P163] (Journal article) N. Pilan, V. Antoni, A. De Lorenzi, G. Chitarin, P. Veltri and E. Sartori “A new deflection technique applied to an existing scheme of electrostatic accelerator for high energy neutral beam injection in fusion reactor devices”, Rev. Sci. Instrum. 87, 02B325 (2016); <https://doi.org/10.1063/1.4939857>
- [P162] (Journal article) F. Romanelli, on behalf of JET Contributors “Overview of the JET results”, Nucl. Fusion 55 (2015) 104001; <https://doi.org/10.1088/0029-5515/55/10/104001>
- [P161] (Journal article) P. Agostinetti, D. Aprile, V. Antoni, M. Cavenago, G. Chitarin H.P.L. de Esch, A. De Lorenzi, N. Fomesu, G. Gambetta, R.S. Hemsworth, M. Kashiwagi, N. Marconato, D. Marcuzzi, N. Pilan, E. Sartori, G. Serianni, M. Singh, P. Sonato, E. Spada, V. Toigo, P. Veltri and P. Zaccaria “Detailed design optimization of the MITICA negative ion accelerator in view of the ITER NBI”, Nucl. Fusion 56 (2016) 016015 ; <https://doi.org/10.1088/0029-5515/56/1/016015>
- [P160] (Journal article) G. Serianni, P. Agostinetti, V. Antoni, C. Baltador, M. Cavenago, G. Chitarin, N. Marconato, R. Pasqualotto, E. Sartori, V. Toigo, and P. Veltri. “Numerical

- simulations of the first operational conditions of the negative ion test facility SPIDER", *Review of Scientific Instruments* 87, 02B927 (2016); <https://doi.org/10.1063/1.4935209>
- [P159] (Journal article) 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. Tobar, H. P. L. de Esch, and V. N. Muvvala "Final design of the beam source for the MITICA injector", *Review of Scientific Instruments* 87, 02B309 (2016); <https://doi.org/10.1063/1.4932615>
- [P158] (Journal article) Puiatti, M.E.; Dal Bello, S.; Marrelli, L.; Martin, P.; Agostinetti, P.; Agostini, M.; Antoni, V.; Auriemma, F.; Barbisan, M.; Barbui, T.; Baruzzo, M.; Battistella, M.; Belli, F.; Bettini, P.; Bigi, M.; Bilel, R.; Boldrin, M.; Bolzonella, T.; Bonfiglio, D.; Brombin, M.; Buffa, A.; Canton, A.; Cappello, S.; Carraro, L.; Cavazzana, R.; Cester, D.; Chacon, L.; Chapman, B.E.; Chitarin, G.; Ciaccio, G.; Cooper, W.A.; Dalla Palma, M.; Deambrosis, S.; Delogu, R.; De Lorenzi, A.; De Masi, G.; Dong, J.Q.; Escande, D.F.; Esposito, B.; Fassina, A.; Fellin, F.; Ferro, A.; Finotti, C.; Franz, P.; Frassinetti, L.; Furno Palumbo, M.; Gaio, E.; Ghezzi, F.; Giudicotti, L.; Gnesotto, F.; Gobbin, M.; Gonzales, W.A.; Grando, L.; Guo, S.C.; Hanson, J.D.; Hirshman, S.P.; Innocente, P.; Jackson, J.L.; Kiyama, S.; Komm, M.; Laguardia, L.; Li, C.; Liu, S.F.; Liu, Y.Q.; Lorenzini, R.; Luce, T.C.; Luchetta, A.; Maistrello, A.; Manduchi, G.; Mansfield, D.K.; Marchiori, G.; Marconato, N.; Marocco, D.; Marcuzzi, D.; Martines, E.; Martini, S.; Matsunaga, G.; Mazzitelli, G.; Miorin, E.; Momo, B.; Moresco, M.; Okabayashi, M.; Olofsson, E.; Paccagnella, R.; Patel, N.; Pavei, M.; Peruzzo, S.; Pilan, N.; Pigatto, L.; Piovan, R.; Piovesan, P.; Piron, C.; Piron, L.; Predebon, I.; Rea, C.; Recchia, M.; Rigato, V.; Rizzolo, A.; Roquemore, A.L.; Rostagni, G.; Ruset, C.; Ruzzon, A.; Sajò-Bohus, L.; Sakakita, H.; Sanchez, R.; Sarff, J.S.; Sartori, E.; Sattin, F.; Scaggion, A.; Scarin, P.; Schmitz, O.; Sonato, P.; Spada, E.; Spagnolo, S.; Spolaore, M.; Spong, D.A.; Spizzo, G.; Stevanato, L.; Takechi, M.; Taliercio, C.; Terranova, D.; Trevisan, G.L.; Urso, G.; Valente, M.; Valisa, M.; Veranda, M.; Vianello, N.; Viesti, G.; Villone, F.; Vincenzi, P.; Visona', N.; Wang, Z.R.; White, R.B.; Xanthopoulos, P.; Xu, X.Y.; Yanovskiy, V.; Zamengo, A.; Zanca, P.; Zaniol, B.; Zanutto, L.; Zilli, E.; Zuin, M.. "Overview of the RFX-mod contribution to the international Fusion Science Program" *Nucl. Fusion* 55 (2015) 104012; <https://doi.org/10.1088/0029-5515/55/10/104012>
- [P157] (Journal article) G. Chitarin, P. Agostinetti, D. Aprile, N. Marconato, D. Marcuzzi, G. Serianni, P. Veltri "Off-normal and failure condition analysis of the MITICA negative-ion accelerator" , *Review of Scientific Instruments* 87, 02B311 (2016); <https://doi.org/10.1063/1.4933184>
- [P156] (Conference paper) G. Chitarin, G. Timelli, R. Losco, F. Bonollo "Development and operational experience on Cold Crucible Levitation Melting apparatus for light metal casting" *Proc. of international conference on Heating by Electromagnetic Sources HES-13, Padova, May 2013, ISBN 978-88-89884-25-6*
- [P155] (Journal article) 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 (2015) 096001, <https://doi.org/10.1088/0029-5515/55/9/096001>
- [P154] (Journal article) N. Marconato, P. Agostinetti, G. Chitarin, "Magnetic and thermo-structural design optimization of the Plasma Grid for the MITICA neutral beam injector" *Fusion Eng. Des.* 96-97 (2015), <https://doi.org/10.1016/j.fusengdes.2015.04.008>
- [P153] (Journal article) 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 solid insulator in vacuum" *Fusion Eng. Des.* 96-97 (2015), <https://10.1016/j.fusengdes.2015.05.057>
- [P152] (Journal article) V. Toigo, D. Boilson, T. Bonicelli, R. Piovan, M. Hanada...G. Chitarin... et al, "Progress in the realization of the PRIMA neutral beam test facility" *Nuclear Fusion*, 55 (2015) 083025; <https://doi.org/10.1088/0029-5515/55/8/083025>
- [P151] Brevetto: G. Chitarin "Magnet Grid – Grille Magnétique" , International Patent number WO2014191890 <http://patentscope.wipo.int/search/en/detail.jsf?docId=WO2014191890>
- [P150] (Book chapter) 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” AIP Conference Proceedings 1655, 060007 (2015); <https://doi.org/10.1063/1.4916476>
- [P149] (Book chapter) 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” AIP Conference Proceedings 1655, 050005 (2015); <https://dx.doi.org/10.1063/1.4916462>
- [P148] (Book chapter) 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” AIP Conf. Proc. 1655, 040008 (2015); <https://dx.doi.org/10.1063/1.4916450>
- [P147] (Conference paper) S.Martini, P.Innocente, M. Agostini, ..., G. Chitarin, ... et al “First results on Reversed Field Pinch plasmas with new magnetic boundary in the RFX-mod experiment” 32nd EPS Conference on Plasma Physics, Tarragona, 27 June - 1 July 2005, ECA Vol. 29C, P-5.054 (2005).
- [P146] (Conference paper) Daniele Aprile, Giuseppe Chitarin, Nicolò Marconato "An efficient method for magnetic field and force calculation in complex permanent magnet and current arrangements”, Proc of the 6th biennial IEEE conference on Electromagnetic Field Computation, May 2014, Annecy, France www.conftool.pro/cefc2014/index.php?page=browseSessions&form_session=13
- [P145] (Journal article) P. Agostinetti, G. Chitarin, N. Marconato, D. Marcuzzi, and A. Rizzolo, "Manufacturing and Testing of Grid Prototypes for the ITER Neutral Beam Injectors", IEEE Trans. on Plasma Science, Vol. 42, Issue 3, Part: 1, Pag. 628-632 (2014), <https://doi.org/10.1109/TPS.2013.2296743>
- [P144] (Journal article) Sartori, E. ; Veltri, P. ; Serianni, G. ; Dalla Palma, M. ; Chitarin, G. ; Sonato, P. , "Modeling of Beam Transport, Secondary Emission and Interactions with Beam-Line Components in the ITER Neutral Beam Injector", IEEE Trans. on Plasma Science, Vol. 42, Issue 3, Part: 1 (2014) Pag. 633- 639, <https://doi.org/10.1109/TPS.2014.2304682>
- [P143] (Journal article) Pilan, N. ; Chitarin, G. ; De Lorenzi, A. ; Serianni, G. "Magnetic Field Effect on Voltage Holding in the MITICA Electrostatic Accelerator", IEEE Transactions on Plasma Science, Vol. 42, Issue: 4 (2014), pag. 1012-1020, <https://doi.org/10.1109/TPS.2014.2307923>
- [P142] (Journal article) P. Veltri, P. Agostinetti, M. Cavenago, G. Chitarin, N. Marconato, E. Sartori, and G. Serianni: "Compensation of Beamlet Deflections and Focusing Methods in the Electrostatic Accelerator of MITICA Neutral Beam Injector", IEEE Trans. on Plasma Science, Vol. 42, No. 4 (2014), <https://doi.org/10.1109/TPS.2014.2308275>
- [P141] (Journal article) G. Serianni, M. De Muri, A. Muraro, P. Veltri, F. Bonomo, G. Chitarin, R. Pasqualotto, M. Pavei, A. Rizzolo, M. Valente, P. Franzen, B. Ruf and L. Schiesko: "First negative ion beam measurement by the Short-Time Retractable Instrumented Kalorimeter Experiment (STRIKE)", Review of Scientific Instruments 85, 02A736 (2014) <https://doi.org/10.1063/1.4861391>
- [P140] (Journal article) V. Antoni, P. Agostinetti, D. Aprile, M. Cavenago, G. Chitarin, N. Fomesu, N. Marconato, N. Pilan, E. Sartori, G. Serianni, and P. Veltri: "Physics design of the injector source for ITER neutral beam injector ", Review of Scientific Instruments 85, 02B128 (2014), <https://doi.org/10.1063/1.4857235>
- [P139] (Journal article) G. Chitarin, P. Agostinetti, D. Aprile, N. Marconato, P. Veltri: "Cancellation of the ion deflection due to electron-suppression magnetic field in a negative-ion accelerator" Review of Scientific Instruments, Vol. 85, Issue 2, 02B317 (2014), <https://doi.org/10.1063/1.4826581>
- [P138] (Conference paper) G. Chitarin, N. Marconato, P. Agostinetti, D. Aprile, P. Bettini, L. Grando, S. Peruzzo, G. Serianni, P. Sonato, P. Veltri: "Control of the magnetic field configuration in the MITICA Neutral beam injector", Proc. of IEEE 25th Symposium on Fusion Engineering (SOFE), 10-14 June 2013, San Francisco, CA, USA, ISBN: 978-1-4799-0169-2, <https://doi.org/10.1109/SOFE.2013.6635454>
- [P137] (Conference paper) E. Sartori, P. Veltri, G. Serianni, M. Dalla Palma, G. Chitarin, P. Sonato: "Beam transport and interactions with beam-line components in MITICA injector", Proc. of IEEE 25th Symposium on Fusion Engineering (SOFE), 10-14 June 2013, San Francisco, CA, USA, ISBN: 978-1-4799-0169-2, <https://doi.org/10.1109/SOFE.2013.6635402>
- [P136] (Conference paper) P. Veltri, P. Agostinetti, M. Cavenago, G. Chitarin, N. Marconato, E. Sartori, G. Serianni: "Optimization of beam optics and strategies for focusing the multi-beamlet accelerator of the MITICA injector" Proc. of IEEE 25th Symposium on Fusion Engineering (SOFE), 10-14 June 2013, San Francisco, CA, USA, ISBN: 978-1-4799-0169-2, <https://doi.org/10.1109/SOFE.2013.6635356>
- [P135] (Conference paper) N. Pilan, G. Chitarin, A. De Lorenzi, G. Serianni: "Effect of magnetic field on voltage holding in the MITICA electrostatic accelerator", Proc. of IEEE 25th Symposium on Fusion Engineering (SOFE), 10-14 June 2013, San Francisco, CA, USA, ISBN: 978-1-4799-0169-2, <https://doi.org/10.1109/SOFE.2013.6635332>

- [P134] (Conference paper) P. Agostinetti, G. Chitarin, N. Marconato, D. Marcuzzi, A. Rizzolo: "Construction and testing of grid prototypes for the ITER neutral beam injectors" , Proc. of IEEE 25th Symposium on Fusion Engineering (SOFE), 10-14 June 2013, San Francisco, CA, USA, ISBN: 978-1-4799-0169-2, <https://doi.org/10.1109/SOFE.2013.6635350>
- [P133] (Journal article) 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, et al.: "Overview of the RFX-mod fusion science programme", Nucl. Fusion 53 pag. 104018 (2013), <https://doi.org/10.1088/0029-5515/53/10/104018>
- [P132] (Conference paper) P. Sonato, D. Boilson, T. Bonicelli, A.K. Chakraborty, C. Day, P. Franzen, G. Gorini, T. Inoue, J. Milnes, T. Minea, H.P.L. De Esch, P. Agostinetti, M. Agostini, V. Antoni, M. Barbisan, P. Bettini, M. Bigi, M. Boldrin, M. Brombin, M. Cavenago, G. Chitarin, et al. "Design of the MITICA neutral beam injector: from physics analysis to engineering design" 24th IAEA Fusion Energy Conference October 8–13, 2012, San Diego, USA, www-naweb.iaea.org/napc/physics/FEC/FEC2012/index.htm
- [P131] (Journal article) G. Chitarin, P. Agostinetti, H.P.L. de Esch, D. Marcuzzi, N. Marconato, E. Sartori, G. Serianni, P. Sonato, P. Veltri and P. Zaccaria "Optimization of the electrostatic and magnetic field configuration in the MITICA accelerator" Fusion Engineering and Design 88, 6-8 (2013), pag. 507–511, <https://doi.org/10.1016/j.fusengdes.2013.02.052>
- [P130] (Journal article) S. Peruzzo, S. Arshad, M. Brombin, G. Chitarin, W. Gonzalez, L. Grando, M. Portales, A. Rizzolo, G. Vayakis, L. Vermeeren "R&D on ITER in-vessel magnetic sensors" Fusion Eng. Des. (2013), <https://doi.org/10.1016/j.fusengdes.2013.02.018>
- [P129] (Book chapter) G. Chitarin, N. Marconato, P. Agostinetti, G. Serianni, P. Sonato "Flexible Magnetic Design of the MITICA Plasma Source and Accelerator" AIP Conf. Proc. 1515, 217 (2013); <https://doi.org/10.1063/1.4792788>
- [P128] (Book chapter) P. Agostinetti, G. Chitarin, P. Franzen, B. Ruf, G. Serianni and P. Veltri "Benchmark of the SLACCAD code against data from the MANITU testbed at IPP" AIP Conf. Proc. 1515, 522 (2013); <https://doi.org/10.1063/1.4792824>
- [P127] (Book chapter) H.P.L. de Esch, M. Kashiwagi, T. Inoue, G. Serianni, P. Agostinetti, G. Chitarin, N. Marconato, E. Sartori, P. Sonato, P. Veltri and R.S. Hemsworth "Status of Physics Design of the HNB Accelerator for ITER" AIP Conf. Proc. 1515, 512 (2013); <https://doi.org/10.1063/1.4792823>
- [P126] (Book chapter) P. Sonato, V. Antoni, M. Bigi, G. Chitarin, A. Luchetta, D. Marcuzzi, R. Pasqualotto, N. Pomaro, G. Serianni, V. Toigo, P. Zaccaria "Status of PRIMA, the Test Facility for ITER Neutral Beam Injectors" AIP Conf. Proc. 1515, 549 (2013); <https://doi.org/10.1063/1.4792827>
- [P125] (Journal article) G. Timelli, G. Chitarin, A. Tiziani, F. Bonollo "Design and realization of an experimental cold crucible levitation melting system for light alloys" METALLURGIA ITALIANA, vol. 106, 2012 p. 19- 27 , ISSN: 0026-0843
- [P124] (Journal article) L.R. Grisham, P. Agostinetti, G. Barrera, P. Blatchford, D. Boilson, J. Chareyre, G. Chitarin, H.P.L. de Esch, A. De Lorenzi, P. Franzen, U. Fantz, M. Gagliardi, R.S. Hemsworth, M. Kashiwagi, D. King, A. Krylov, M. Kuriyama, N. Marconato, D. Marcuzzi, M. Roccella, L. Rios, A. Panasenkov, N. Pilan, M. Pavei, A. Rizzolo, E. Sartori, G. Serianni, P. Sonato, V. Pilard, M. Tanaka, H. Tobar, P. Veltri, P. Zaccaria " Recent improvements to the ITER neutral beam system design", Fusion Eng. Des. Vol. 87, Issue 11, Nov. 2012, Pages 1805–1815 , <https://doi.org/10.1016/j.fusengdes.2012.08.001>
- [P123] (Book chapter) M. Kuriyama, D. Boilson, R. Hemsworth, ... G. Chitarin et al. "Status of the 1 MeV Accelerator Design for ITER NBI" (AIP Conf. Proc. 1390, Melville, New York, 2011, pp 545- 554) <https://doi.org/10.1063/1.3637426> , ISBN: 978-0-7354-0955-2
- [P122] (Book chapter) P. Veltri, P. Agostinetti, V. Antoni, M. Cavenago, G. Chitarin et al. "Sensitivity Analysis of the Off-Normal Conditions of the SPIDER Accelerator", (AIP Conf. Proc. 1390, Melville, New York, 2011, pp 594-603) <https://doi.org/10.1063/1.3637431> , ISBN: 978-0-7354-0955-2,
- [P121] (Book chapter) P. Agostinetti, V. Antoni, M. Cavenago, G. Chitarin, N. Pilan et al. "Physics and engineering studies on the MITICA accelerator: comparison among possible design solutions", (AIP Conf. Proc. 1390, Melville, New York, 2011, pp 574-583); <https://doi.org/10.1063/1.3637429> , ISBN: 978-0-7354-0955-2,
- [P120] (Journal article) G. Chitarin, P. Agostinetti, N. Marconato, D. Marcuzzi, E. Sartori, G. Serianni, P. Sonato: "Concepts for the magnetic design of the MITICA neutral beam test facility ion accelerator" , Review of Scientific Instruments, Volume: 82 Issue: 2, pag. 02B107, 2012, <https://doi.org/10.1063/1.3669801>

- [P119] (Journal article) P. Agostinetti, G. Chitarin, D. Marcuzzi, M. Pavei, N. Pilan, A. Rizzolo, G. Serianni, P. Sonato, L. Trevisan, P. Veltri : “Detail Design of the Electron Dump for the SPIDER Beam Source”, IEEE Transactions on Plasma Science, Volume: 40 Issue: 3, Pages: 629-634, 2012, <https://doi.org/10.1109/TPS.2011.2179947>
- [P118] (Journal article) Martin P; Adamek J; Agostinetti P; Agostini M; Alfier A; Angioni C; Antoni V; Apolloni L; Auriemma F; Barana O; Barison S; Baruzzo M; Bettini P; Boldrin M; Bolzonella T; Bonfiglio D; Bonomo F; Boozer AH; Brombin M; Brotankova J; Buffa A; Canton A; Cappello S; Carraro L; Cavazzana R; Cavinato M; Chacon L; G. Chitarin et al. “Overview of the RFX fusion science program” (Nuclear Fusion 51 , 2011 094023) <https://doi.org/10.1088/0029-5515/51/9/09402>
- [P117] (Journal article) P. Agostinetti, V. Antoni, M. Cavenago, G. Chitarin, N. Marconato, D. Marcuzzi, N. Pilan, G. Serianni, P. Sonato, P. Veltri and P. Zaccaria “Physics and engineering design of the accelerator and electron dump for SPIDER” , Nuclear Fusion 51 (2011) 063004 (16pp), <https://doi.org/10.1088/0029-5515/51/6/063004>
- [P116] (Journal article) A. Masiello, G. Agarici, T. Bonicelli, M. Simon, J. Alonso, M. Bigi, D. Boilson, G. Chitarin, C. Day, P. Franzen, S. Hanke, B. Heinemann, R. Hemsworth, A. Luchetta, D. Marcuzzi, J. Milnes, T. Minea, R. Pasqualotto, N. Pomaro, G. Serianni, W. Rigato, P. Sonato, V. Toigo, F.Villecroze, C. Waldon, P. Zaccaria : “The European contribution to the development of the ITER NB injector” (Fusion Engineering and Design 86, 2011 pag. 860–863) <https://doi.org/10.1016/j.fusengdes.2011.03.035> .
- [P115] (Conference paper) G. Serianni, P. Agostinetti, V. Antoni, M. Cavenago, G. Chitarin, G. Fubiani, E. Gazza, N. Marconato, N. Pilan, P. Veltri : “Secondary particles in the acceleration stage of high current, high voltage neutral beam injectors: the case of the injectors of the thermonuclear fusion experiment ITER” (Proc. of International Particle Accelerator Conference, May 2010, Kyoto, Japan) ISBN: 978-92-9083-352-9
- [P114] (Journal article) G. Vayakis, L. Bertalot, A. Encheva, Ch. Walker, B. Brichard, M.S. Cheon, G. Chitarin, E. Hodgson, Ch. Ingesson, M. Ishikawa, T. Kondoh, H. Meister, Ph. Moreau, S. Peruzzo, S. Pak, G. Pérez-Pichel, R. Reichle, D. Testa, M. Toussaint, L.Vermeeren and V. Vershkov: “Nuclear technology aspects of ITER vessel-mounted diagnostics” (J. Nucl. Mater. Vol. 407, pag. 780-786, 2011) <https://doi.org/10.1016/j.jnucmat.2011.01.081> .
- [P113] (Book chapter) P. Agostinetti , V. Antoni , M. Cavenago , G. Chitarin , H. Nakano , N. Pilan, G. Serianni , P. Veltri , Y. Takeiri and K. Tsumori: “Modeling activities on the negative-ion-based Neutral Beam Injectors of the Large Helical Device” (AIP Conf. Proc. 1390, Melville, New York, 2011, pp 526-535) <https://doi.org/10.1063/1.3637424> ISBN: 978-0-7354-0955-2,
- [P112] (Book chapter) G. Chitarin, P. Agostinetti, A. Gallo, N. Marconato, H. Nakano, G. Serianni, Y. Takeiri, K. Tsumori: “Experimental Mapping and Benchmarking of Magnetic Field Codes on the LHD Ion Accelerator” (AIP Conf. Proc. 1390, Melville New York, 2011, pp 381-390); <https://doi.org/10.1063/1.3637409> , ISBN: 978-0-7354-0955-2,
- [P111] (Journal article) N. Marconato, G. Chitarin, P. Agostinetti, N. Pilan, G. Serianni: “Simulation, Code Benchmarking and Optimization of the Magnetic Field Configuration in a Negative Ion Accelerator” (Fusion Engineering and Design 86, 2011, pag. 925–928) <https://doi.org/10.1016/j.fusengdes.2011.01.052> .
- [P110] (Conference paper) A. Gallo, G. Chitarin, RS Delogu, S. Peruzzo, G. Vayakis, “ITER in-vessel magnetic sensors prototyping and tests”, 26th Symposium on Fusion Technology, SOFT2010, Sept. 2010 Porto, Portugal.
- [P109] Bagatin, M.; Bettini, P; Chitarin, G.; Magistris, M. DE; Desideri, D.; Formisano, A.; Fresa, R.; Martino, R.; Rmartone, R.Martone; Pironti, A.; Stella, A.; Trevisan, F.; Zabeo, L., Plasma identification in fusion devices, MURST national research project 1999-2000 - Models and methods for plasma control in fusion devices - Final report, ISBN: 9788871785677, Consorzio RFX - Associazione EURATOM-ENEA sulla Fusione, Padova, 2001
- [P108] (Conference paper) G. Serianni, P. Agostinetti, V. Antoni, M. Cavenago, G. Chitarin, N. Marconato, N. Pilan, P. Sonato, P. Veltri: “Compensation of ion deflection and disposal of electrons in the ion source test facility of ITER neutral beam injectors” (Proc. of 36th EPS Conference on Plasma Physics, June 29 - July 3, 2009, Sofia, Bulgaria, ECA Vol.33E, P-4.171, 2009)
- [P107] (Conference paper) Ph. Moreau, I. Bolshakova, B. Brichard, G. Chitarin, R. Delogu, I. Duran, A. Encheva, Y. Fournier, A. Gallo, A. Le-Luyer, J.B. Lister, Ph. Malard, J.M. Moret, P. Pastor, S. Peruzzo, J. Romero, D. Testa, M. Toussaint, G. Vayakis, R. Vila: “Development of a Magnetic Diagnostic Suitable for the ITER Radiation Environment “ (Proc. of International Conference on Advancements in Nuclear Instrumentation, Measurement Methods and their Applications, ANIMMA 2009, Marseille June 2009) ISBN: 978-1-4244-5207-1 <https://doi.org/10.1109/ANIMMA.2009.5503812>

- [P106] (Journal article) S. Peruzzo, G. Chitarin, R. Delogu, A. Gallo: "Design proposal of connection system for ITER in-vessel magnetic sensors" (Fusion Engineering and Design vol. 85 (2010) 1707–1710) <https://doi.org/10.1016/j.fusengdes.2010.05.012>
- [P105] (Journal article) Lorenzini R; Agostini M; Alfier A; Antoni V; Apolloni L; Auriemma F; Barana O; Baruzzo M; Bettini P; Bonfiglio D; Bolzonella T; Bonomo F; Brombin M; Buffa A; Canton A; Cappello S; Carraro L; Cavazzana R; Chitarin G. ... et al. "Improvement of the magnetic configuration in the reversed field pinch through successive bifurcations" Phys. of Plasmas 16, 056109 (2009); <https://doi.org/10.1063/1.3082821>
- [P104] (Journal article) F. Romanelli, R. Kamendjea on behalf of JET-EFDA Contributors : Overview of JET results" (Nuclear Fusion 49, 2009 104006) <https://doi.org/10.1088/0029-5515/49/10/104006>
- [P103] (Journal article) D. Testa, M. Toussaint, R. Chavan, J. Guterl, J. B. Lister, J.-M. Moret, A. Perez, F. Sanchez, B. Schaller, G. Tonetti, A. Encheva, G. Vayakis, C. Walker, Y. Fournier, T. Maeder, A. Le-Luyer, Ph. Moreau, G. Chitarin, E. Alessi, R. S. Delogu, A. Gallo, N. Marconato, S. Peruzzo, M. Preindl, H. Carfantan, E. Hodgson, J. Romero, R. Vila, B. Brichard, and L. Vermeeren, "The magnetic diagnostics set for ITER", IEEE Trans. On Plasma Science, Vol. 38, No. 3, Mar. 2010) <https://doi.org/10.1109/TPS.2009.2037226>
- [P102] (Conference paper) P. Agostinetti, V. Antoni, M. Cavenago, Chitarin G., N. Marconato, M. Pavei, N. Pilan, G. Serianni, P. Sonato. "Optimisation of the magnetic field configuration for the negative ion source of ITER neutral beam injectors", Proceedings of International TOKI conference 18, Toki Gifu, Japan. 9-12 Dec 2008.
- [P101] (Journal article) P. Martin; L. Apolloni; M. E. Puiatti; J. Adamek; M. Agostini; A. Alfier; S.V. Annibaldi; V. Antoni; F. Auriemma; O. Barana; M. Baruzzo; P. Bettini; T. Bolzonella; D. Bonfiglio; F. Bonomo; M. Brombin; J. Brotankova; A. Buffa; P. Buratti; A. Canton; S. Cappello; L. Carraro; R. Cavazzana; M. Cavinato; B.E. Chapman; G. Chitarin et al: "Overview of RFX-mod results" (Nuclear Fusion 49 (2009) 104019) <https://doi.org/10.1088/0029-5515/49/10/104019>
- [P100] (Journal article) M Valisa; T Bolzonella; P Buratti; L Carraro; R Cavazzana; S Dal Bello; Martin P.; R Pasqualotto; J S Sarff; M Spolaore; P Zanca; L Zanotto; M Agostini; A Alfier; V Antoni; L Apolloni; F Auriemma; O Barana; M Baruzzo; P Bettini; D Bonfiglio; F Bonomo; M Brombin; A Buffa; A Canton; S Cappello; M Cavinato; G Chitarin et al.: "High current regimes in RFX-mod" (Plasma Phys. Control. Fusion 50, 2008, 124031) <https://doi.org/10.1088/0741-3335/50/12/124031>
- [P099] (Journal article) R. Chavan, G. Chitarin, R. Delogu A. Encheva, E. Hodgson, C. Ingesson, A. Le-Luyer, J Lister, P Moreau, J.M. Moret, S. Peruzzo, D. Testa, Y Gribov, G. Vayakis, R. Vila "The magnetic diagnostics set for ITER " (Fusion Engineering and Design 84 , 2009, pag. 295–299) <https://doi.org/10.1016/j.fusengdes.2008.12.103>
- [P098] (Journal article) G. Chitarin, R. Delogu, A. Gallo, S. Peruzzo. "Technology developments for ITER in-Vessel equilibrium magnetic sensors" (Fusion Engineering and Design 84, 2009 pag. 593–598) <https://doi.org/10.1016/j.fusengdes.2008.11.022>
- [P097] (Journal article) E. Alessi, M. Cavinato, G. Chitarin "Development of a Reconstruction Procedure for the Halo Current Distribution" (Review of Scientific Instruments, Vol. 79, No. 10, 10F332 , 2008) <https://doi.org/10.1063/1.2978193>
- [P096] (Journal article) G. Chitarin, L. Grando, S. Peruzzo, C. Taccon: "Design developments for the ITER in-Vessel equilibrium pick-up Coils and Halo current Sensors " (Fusion Engineering and Design 82 (2007) pag. 1341–1347) <https://doi.org/10.1016/j.fusengdes.2007.07.045>
- [P095] (Conference paper) S. Peruzzo, G. Chitarin, S. Dal Bello, R. S. Delogu, L. Lotto, A. Sottocornola, C. Taccon: "Development and Testing of in-Vessel Equilibrium Pick-up Coils for ITER" (Proc of Workshop on Burning Plasma Diagnostics, F. Orsitto, G. Gorini, E. Sindoni, M. Tardocchi, American Institute of Physics 2008 pag. 442-445) ISBN: 978-0-7354-0507-3
- [P094] (Journal article) L. Marrelli; P. Zanca; M. Valisa; G .Marchiori; A. Alfier; F. Bonomo; M. Gobbin; P. Piovesan; D. Terranova; M. Agostini; C. Alessi; V. Antoni; L. Apolloni; F. Auriemma; P. Bettini; T. Bolzonella; D. Bonfiglio; M. Brombin; A. Buffa; A. Canton; S. Cappello; L. Carraro; R. Cavazzana; M. Cavinato; G. Chitarin .. et al: "Magnetic self organization, MHD active control and confinement in RFX-mod " (Plasma Phys. Control. Fusion 49 (2007) B359–B369) <https://doi.org/10.1088/0741-3335/49/12B/S33>
- [P093] (Journal article) S. Martini; M. Agostini; C. Alessi; A. Alfier; V. Antoni; L. Apolloni; F. Auriemma; P. Bettini; T. Bolzonella; D. Bonfiglio; F. Bonomo; M. Brombin; A. Buffa; A. Canton; S. Cappello; L. Carraro; R. Cavazzana; M. Cavinato; G. Chitarin... et al: "Active MHD control at high currents in RFX-mod" (Nuclear Fusion 47 (2007) pag. 783–791) <https://doi.org/10.1088/0029-5515/47/8/008>

- [P092] (Conference paper) R. Paccagnella, D. Terranova, P. Zanca and the RFX team "Modeling and Interpretation of MHD active control Experiments in RFX-Mod" (Proc of 21st IAEA Fusion Energy conference, 16-21 Oct 2006, Chendu, China).
- [P091] (Journal article) V. Coccoresse, G. Artaserse, A. Quercia G. Chitarin A. Murari S. Gerasimov and JET EFDA Contributors "Assessment of new ex-vessel magnetic measurements in JET" (Review of Scientific Instruments 77, 10E317 2006) <https://doi.org/10.1063/1.2221913>
- [P090] (Journal article) S. Ortolani and the RFX team: "Active MHD control experiments in RFX-mod" (Plasma Phys. Control. Fusion 48 (2006) B371–B381).
- [P089] (Journal article) P. Martin, L. Marrelli, G. Spizzo, ... the RFX team ... et al.: "Overview of quasi-single helicity experiments in reversed field pinches" (Nuclear Fusion 43 (2003) pag. 1855–1862), <https://doi.org/10.1088/0029-5515/43/12/028> .
- [P088] (Conference paper) P. Campostrini, G. Chitarin, N. Pomaro, F. Trevisan "Magnetic measurements in the RFX Fusion Experiment" (Proc. of the IEEE International Magnetics Conference, San Antonio Texas, USA, Apr. 1995, IEEE conference Proceedings, catalog number 95CH35792) ISBN: 0-7803-2605-9
- [P087] (Conference paper) A. Luchetta, M. Cavinato, E. Gaio, ... G. Chitarin ... et al.: "Recent results from Real-Time active Control of MHD modes in RFX-mod", (Proc. of 21st IAEA Fusion Energy conference, 16-21 Oct 2006, Chendu China) ISBN: 9789201009074
- [P086] (Conference paper) S. Martini, M. Agostini, A. Alessi, ... G. Chitarin ... et al.: "Overview of RFX-mod results with Active MHD control" (Proc. of 21st IAEA Fusion Energy conference, 16-21 Oct 2006, Chendu China) ISBN: 9789201009074
- [P085] (Conference paper) M. Valisa, L. Frassinetti, R. Paccagnella, ... G. Chitarin, ... et al.: "Edge transport properties of RFX-mod approaching the Greenwald density limit" (Proc. of 21st IAEA Fusion Energy conference, 16-21 Oct 2006, Chendu China) ISBN: 9789201009074
- [P084] (Journal article) P. Innocente, A. Alfieri, L. Carraro, ...and the RFX team: "Transport and Confinement studies in RFX-mod Reversed Field Pinch experiment" (Nuclear Fusion 47 (2007) pag. 1092–1100) <https://doi.org/10.1088/0029-5515/41/4/008>
- [P083] (Journal article) V. Coccoresse, G. Artaserse, G. Chitarin, T. Edlington, S. Gerasimov S. Peruzzo, A. Quercia, C. Sowden: "Manufacturing and Commissioning of the new Ex-Vessel Magnetic Diagnostics System for JET" (Fusion Engineering and Design 82 (2007) pag. 1348–1358) <https://doi.org/10.1016/j.fusengdes.2007.03.009>
- [P082] (Conference paper) M. Cavinato, G. Chitarin, L. Grando, A.Luchetta, G.Manduchi, G. Marchiori, A.Soppelsa, C. Taccon, C.Taliercio: "Characterization of the RFX-mod Saddle Coil System and design of the regulator for the control of MHD modes" (Proc. of the 21st IEEE/NPSS SOFE conference, Sept. 26-29 2005, Knoxville TN, USA) ISBN: 0-4244-0150-X, <https://doi.org/10.1109/FUSION.2005.252981>
- [P081] (Conference paper) G. Chitarin, S. Peruzzo, N. Pomaro: "Susceptibility of NMR instrumentation to ELF fields", (Proc. of the EMC Europe Workshop, Sept. 19-21, 2005, Rome).
- [P080] (Conference paper) F. Gnesotto, A. Luchetta, G. Marchiori, ...G. Chitarin,... et al.: "RFX: new tools for real-time MHD control", (Proc. of 20th IAEA Fusion Energy Conference, Nov. 1-6, 2004, Vilamoura, Portugal) ISBN:9789201004055
- [P079] (Conference paper) M. Valisa, F. Auriemma, F. Canton, ...G. Chitarin,... et al.: "The Greenwald density limit in the Reversed Field Pinch" , (Proc. of 20th IAEA Fusion Energy Conference, Nov. 1-6, 2004, Vilamoura, Portugal) ISBN:9789201004055
- [P078] (Conference paper) V. Antoni, R. Cavazzana, E. Martines, ...G. Chitarin,... et al.: "Turbulent transport and plasma flow in the Reversed Field Pinch" , (Proc. of 20th IAEA Fusion Energy Conference, Nov. 1-6, 2004, Vilamoura, Portugal) ISBN:9789201004055
- [P077] (Journal article) M. E. Puiatti, S. Cappello, R. Lorenzini, ...G. Chitarin,... et al.: "Analysis and modelling of the magnetic and plasma profiles during PPCD experiments in RFX", (Nuclear Fusion. Oct. 2003; vol. 43 (10) pag. 1057-1065) <https://doi.org/10.1088/0029-5515/43/10/006>
- [P076] (Journal article) J. Paméla, Emilia R. Solano, and JET EFDA Contributors: "Overview of JET results" (Nuclear Fusion 43 (2003) 1540–1554) <https://doi.org/10.1088/0029-5515/43/12/002>
- [P075] (Journal article) G. Chitarin, F. Basso, V. Coccoresse, S. Peruzzo, N. Pomaro, T. Edlington, C. Sowden, S. Cramp, K. Fullard and JET-EFDA contributors: "Design of Ex-Vessel Magnetic Probes for JET-EP", (Fusion Engineering and Design 74 pag. 727-731 Nov. 2005) <https://doi.org/10.1016/j.fusengdes.2005.06.036>
- [P074] (Journal article) V. Coccoresse, R. Albanese, H. Altmann, F. Basso, A. Cenedese, G. Chitarin, S. Cramp, F. DegliAgostini, T. Edlington, K. Fullard, S. Gerasimov, L. Grando, S. Huntley, N. Lam, A. Loving, D. Marcuzzi, C. Marren, E. Mc Carron, S. Peruzzo, N. Pomaro, V. Riccardo, F. Sartori, E. Solano, C. Sowden, J. Tidmarsh and JET-EFDA Contributors:

- “Design of the new magnetic sensors for JET”, (Review of Scientific Instruments, Vol. 75,, no. 10 (2004), pag. 4311-4313) <https://doi.org/10.1063/1.1789621>
- [P073] (Conference paper) P. Sonato, G. Chitarin, P. Zaccaria, W. Baker, S. Dal Bello, L. Grando, G. Marchiori, D. Marcuzzi, A. Masiello, S. Peruzzo, N. Pomaro, J. Amend, J. Coughlin: “Construction and assembly status of new components for the modified RFX machine” (Proc. of the 20th IEEE/NPSS Symposium on Fusion Engineering (SOFE) Oct. 2003 San Diego, CA USA) ISBN: 0-7803-7908-X, <https://doi.org/10.1109/FUSION.2003.1426639> (intern. autors)
- [P072] (Conference paper) G. Chitarin, R. Lazzarin, M. Noro, E. Settimo “Development of a 2.2 kW alkaline Fuel Cell compact power source” (Proc of the 5th HYdrogen POWer THEoretical and Engineering Solutions International Symposium (HYPOTHESIS), 7-10 Sept. 2003, Porto Conte Italy) ISBN: 9788886281904
- [P071] (Journal article) F. Milani, S. Peruzzo, G. Chitarin, E. Gaio, L. Grando, N. Pomaro, V. Toigo, "The upgrade of the RFX fast protection system in view of the new operating scenarios and machine modification", (Fusion Engineering and Design 66-68 (2003) pag. 1069-1073) [https://doi.org/10.1016/S0920-3796\(03\)00279-5](https://doi.org/10.1016/S0920-3796(03)00279-5)
- [P070] (Journal article) G. Chitarin, S. Dal Bello, L. Grando, S. Peruzzo, "The design of 192 saddle coils for RFX", (Fusion Engineering and Design 66-68 (2003) pag. 1055-1059) [https://doi.org/10.1016/S0920-3796\(03\)00273-4](https://doi.org/10.1016/S0920-3796(03)00273-4)
- [P069] (Journal article) P. Sonato, G. Chitarin, P. Zaccaria, F. Gnesotto, S. Ortolani, A. Buffa, M. Bagatin, W.R. Baker, S. Dal Bello, P. Fiorentin, L. Grando, G. Marchiori, D. Marcuzzi, A. Masiello, S. Peruzzo, N. Pomaro, G. Serianni, "Machine modification for active MHD control in RFX", (Fusion Engineering and Design 66-68 (2003) pag. 161-168) [https://doi.org/10.1016/S0920-3796\(03\)00177-7](https://doi.org/10.1016/S0920-3796(03)00177-7)
- [P068] Monografia o trattato scientifico R. Albanese, G. Ambrosino, M. Ariola, M. Bagatin, F. Bellina, P. Bettini, C.A. Borghi, G. Chitarin, E. Coccorese, A. Formisano, R. Fresa, M. De Magistris, F. Gnesotto, M. Guarnieri, G. Marchiori, R. Martone, A. Pironti, P.L. Ribani, G. Rubinacci, A. Stella, F. Trevisan, F. Villone "Models and Methods for Plasma Control in Fusion Devices, plasma current, position and shape identification and control ", (MURST National Research Project Final Report 1998-2000, Padova, Feb 2001)
- [P067] (Journal article) G. Chitarin, L. Grando, G. Marchiori, A. Masiello, S. Peruzzo: "Evaluation of the electrodynamic forces on the passive components of the new RFX load assembly" (Fusion Engineering and Design n. 63-64 (2002), pag. 467-473) [https://doi.org/10.1016/S0920-3796\(02\)00185-0](https://doi.org/10.1016/S0920-3796(02)00185-0)
- [P066] (Journal article) R. Albanese, G. Ambrosino, M. Ariola, M. Bagatin, F. Bellina, P. Bettini, C.A. Borghi, G. Chitarin, E. Coccorese, A. Formisano, R. Fresa, M. De Magistris, F. Gnesotto, M. Guarnieri, G. Marchiori, R. Martone, A. Pironti, P.L. Ribani, G. Rubinacci, A. Stella, F. Trevisan, F. Villone “An integrated approach to the control of magnetically confined plasmas” (Fusion Engineering and Design 56-57 (2001) pag. 705-709) [https://doi.org/10.1016/S0920-3796\(01\)00403-3](https://doi.org/10.1016/S0920-3796(01)00403-3)
- [P065] (Journal article) G. Chitarin, A. Masiello, S. Peruzzo, R. Piovan, P. Sonato, G. Zollino "The electromagnetic system for the active control of the non-axisymmetric helical deformation in RFX", (Plasma Physics and Controlled Fusion, 43 (2001) pag. 543–558) <https://doi.org/10.1088/0741-3335/43/4/311>
- [P064] (Journal article) D. Desideri, L. Zabeo, M. Bagatin, G. Chitarin, and R. Piovan: "A fast code using non-magnetic measurements for RFX current and magnetic field profile reconstruction" (IEEE Trans. on Magnetics, vol. 38, n. 2 (2002), pag. 1229-1232) <https://doi.org/10.1109/20.996314>
- [P063] (Journal article) 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... et al.: "New Insights into MHD Dynamics of Magnetically Confined Plasmas from Experiments in RFX" (Nuclear Fusion (2002) n. 3 vol. 42, pag. 247-257.) <https://doi.org/10.1088/0029-5515/42/3/304>
- [P062] (Journal article) V. Antoni, ... G. Chitarin,... et al.: "Transport Mechanisms and Enhanced Confinement Studies in RFX", (Nuclear Fusion (2001) n. 4 vol. 41, pag. 431-436.) <https://doi.org/10.1088/0029-5515/41/4/008>
- [P061] (Journal article) R. Cavazzana, G. Chitarin, L. Grando, G. Marchiori, G. Zollino: "Electromagnetic analyses for the dynamic control of RFX equilibrium with a new shell", (Fusion Engineering and Design 58-59 (2001) pag.183-187) [https://doi.org/10.1016/S0920-3796\(01\)00429-X](https://doi.org/10.1016/S0920-3796(01)00429-X)
- [P060] (Journal article) R. Cavazzana, G. Chitarin, N. Pomaro: "Development of preionization systems for RFX", (Fusion Engineering and Design 56-57 (2001) pag. 843-848) [https://doi.org/10.1016/S0920-3796\(01\)00363-5](https://doi.org/10.1016/S0920-3796(01)00363-5)

- [P059] (Journal article) R. Piovan; F. Gnesotto; S. Ortolani; W. Baker; O. Barana; P. Bettini; R. Cavazzana; G. Chitarin... et al.: "RFX machine and power supply improvements for RFP advanced studies" (Fusion Engineering and Design 56-57 (2001) pag. 819-824) [https://doi.org/10.1016/S0920-3796\(01\)00413-6](https://doi.org/10.1016/S0920-3796(01)00413-6)
- [P058] (Journal article) M. Bagatin, G. Chitarin, D. Desideri, A. Murari, R. Piovan, L. Zabeo: "Integration of magnetic and non-magnetic measurements for current profile reconstruction in RFX", (Review of scientific Instruments, Vol. 72,(2001), pag. 426-429) <https://doi.org/10.1063/1.1316753>
- [P057] (Conference paper) M. Bagatin, G. Chitarin, A. Formisano, R. Martone, A. Stella, F. Trevisan: "Improvements to the Plasma Identification in Fusion Devices via Inclusion of Non Magnetic Measurements" (Proceedings of the International Conference on Electromagnetics in Advanced Applications (ICEAA 99): September 13 - 17, 1999, Torino, Italy)
- [P056] (Conference paper) P. Bettini, A. Canton, G. Chitarin, E. Gaio, S. Peruzzo, R. Piovan "Design and realization of the first X-point experiments on the RFX machine", (Proc. of the 18 SOFE-IEEE/NPSS conference, Albuquerque, New Mexico, 25-29 Oct 1999 pag. 553-6.) ISBN: 0-7803-5829-5, <https://doi.org/10.1109/FUSION.1999.849900>
- [P055] (Conference paper) G. Chitarin, L. Grando, S. Peruzzo "Design of the Local Control Coils at the equatorial gap of the RFX machine", (Proc. of the 18 SOFE-IEEE/NPSS conference, Albuquerque, New Mexico, 25-29 Oct 1999, pag. 437-40) ISBN: 0-7803-5829-5, <https://doi.org/10.1109/FUSION.1999.849873>
- [P054] (Conference paper) G. Chitarin, A. Masiello, S. Peruzzo, G. Zollino "Calculation of the Torque applied to a non-axisymmetric toroidal Plasma by means of a driving external Field" (Proceedings of the Compumag99 conference, Sapporo, Japan, Oct 1999)
- [P053] (Journal article) R. Bartiromo, T. Bolzonella, A. Buffa, G. Chitarin, S. Martini, A. Masiello, S. Ortolani, R. Piovan, P. Sonato, and G. Zollino "Tearing Mode Rotation by External Field in a Reversed Field Pinch " Physical Review Letters, vol. 83, n. 9, Aug. 1999, pag.1779-1782. <https://doi.org/10.1103/PhysRevLett.83.1779>
- [P052] (Journal article) R. Bartiromo, A. Buffa, V. Antoni, L. Apolloni, M. Bagatin, W. Baker, F. Bellina, P. Bettini, R. Bilato, T. Bolzonella, A. Canton, S. Cappello, L. Carraro, R. Cavazzana, G. Chitarin, et al.: "Recent progress in RFP research on the RFX experiment" (Nuclear Fusion, vol. 39, n. 11Y, Nov. 1999, pag. 1697-1705) <https://doi.org/10.1088/0029-5515/39/11Y/309>
- [P051] (Conference paper) S. Martini, R. Piovan, T. Bolzonella, G. Chitarin, P. Innocente, P. Sonato, D. Terranova, P. Zanca, G. Zollino: "Studies on magnetic dynamic of RFX", (Proc. of the 17th IAEA Fusion Energy Conference, Yokohama , Oct. 1998, IAEA Fusion Energy 1998, IAEA Vienna 1998, ISSN:1563-1053)
- [P050] (Conference paper) A. De Lorenzi, P. Bettini, G. Chitarin: "Large coil modelling for fast transient simulations" (Proc. of the 20th Symposium on Fusion Technology, Marseille, France, Sept. 1998 Vol I, 857-860)
- [P049] (Conference paper) G. Chitarin, R. Piovan, P. Sonato, G. Zollino: "Control of the Locked Mode Position in RFX" (Proc. of the 24 EPS conference on Controlled Fusion and Plasma Physics, Prague, Czech Republic, Jun 1998, pag. 766-769)
- [P048] (Journal article) G. Chitarin: "Method for the Identification of the Field Configuration in presence of the localized perturbation observed in RFP toroidal plasma devices" (IEEE Trans on Magnetics, vol. 35, n. 3, May 1999, pag. 1877- 1880) <https://doi.org/10.1109/20.767400>
- [P047] (Conference paper) G. Chitarin, G. Marchiori, G. Zollino: "Computation and experimental validation of the transfer functions of the local control coil system in RFX", (Proc. of the 17 IEEE/NPSS Symposium on Fusion Energy, San Diego, California, Oct 1997, IEEE proceedings catalog n. 97CH36131, pag. 572-575,) ISBN: 0-7803-4226-7, <https://doi.org/10.1109/FUSION.1997.687105>
- [P046] (Conference paper)P. Campostrini, G. Chitarin, G. Zollino, A.F. Almagri, A.K. Hansen, D.J. Den Hartog, T.W. Lovell, S.C. Prager, J.S. Sarff, M.A. Thomas: "Mode locking from an applied stationary error field in MST" (Proc. of the 24 EPS conference on Controlled Fusion and Plasma Physics, Berchtesgaden, Germany, Jun 1997, Europhysics Conferences, European Physics Society, 1997, vol. 21A, pag. 757-760, 1997)
- [P045] (Conference paper) V. Antoni, ... G. Chitarin, et al. , "Status of the RFX experiment", (Proc. of the 16th IAEA Fusion Energy Conference, Montreal , Oct. 1996) ISBN: 92-0-100797-3
- [P044] (Conference paper) G. Chitarin, G. Marchiori, A. Masiello, N. Pomaro, G. Zollino: "Eddy currents in the RFX shell after short-circuiting one poloidal and one equatorial gap" (Proc. of the 19th Symposium on Fusion Technology, Lisbon, Portugal, Sept. 1996, pag.775-778, Fusion Technology 1996, Elsevier) ISBN: 0 44482762 5
- [P043] (Conference paper) F. Bellina, G. Chitarin, P. Fiorentin, E. Gaio, G. Marchiori, P. Sonato, V. Toigo, P. Zaccaria, G. Zollino: "Feasibility analysis of an active local field control at the

- poloidal gap of RFX" (Proc. of the 19th Symposium on Fusion Technology, Lisbon, Portugal, Sept. 1996, pag. 771- 774) Fusion Technology 1996, Elsevier ISBN: 0 44482762 5
- [P042] (Conference paper) T. Bolzonella, G. Chitarin, F. Gnesotto, E. Martines, S. Martini, N. Pomaro, F. Trevisan, Y. Yagi, G. Zollino: "Effects of shell gap modifications on RFX plasma behaviour" (Proc. of the 23 EPS conference on Controlled Fusion and Plasma Physics, Kiev, Ukraina, Jun 1996, pag. 633-636)
- [P041] (Conference paper) A. Buffa and the RFX Team "Recent results of RFX" (Proc. of the 23 EPS conference on Controlled Fusion and Plasma Physics, Kiev, Ukraine, Jun 1996, pag. 629-632, Europhysics Conferences, European Physics Society, 1996, vol. 20C)
- [P040] (Journal article) F. Bellina, P. Bettini, G. Chitarin, F. Trevisan, A. Stella: "Plasma Contour Identification using Multipole Series Expansion" (IEEE Trans.on Magnetics, vol. 32, no. 5, Sept. 1996, pag. 4338-4340) <https://doi.org/10.1109/20.538862>
- [P039] (Conference paper) G. Chitarin and F. Trevisan "A matrix transformation for the calculation of Mutual Inductances in presence of Passive Conductors" (Proc. of ISEF95 conference, Tesseloniki, Greece, Sept. 1995, pag. 13-16)
- [P038] (Conference paper) F. Bellina, G. Chitarin, M. Guarnieri, N. Pomaro, F. Trevisan: "Methods for Field Error Analysis in the Magnetic Configuration of RFX" (Proc. of the 16 SOFE conference, Champaign, Il, USA, Oct 1995, Fusion Engineering 1995, pag. 1103-1106) <https://doi.org/10.1109/FUSION.1995.534419> , ISBN: 9780780329690
- [P037] (Journal article) F. Bellina, G. Chitarin, F. Trevisan: "Synthesis of the Equilibrium Induction Field with specified Stability Properties in a Toroidal Device" (IEEE Trans. on Magnetics , vol. 32, n. 3, May 1996, pag. 706-709) <https://doi.org/10.1109/20.497337>
- [P036] (Conference paper) V. Antoni, ... G. Chitarin, ...et al. "Analysis of Wall Locking Phenomena and their consequences in RFX" (Proc. of the 22 EPS conference on Controlled Fusion and Plasma Physics, Bournemouth, UK, Jun 1995, pag. IV 181 - 184, Europhysics Conferences, European Physics Society, 1995, vol. 19C)
- [P035] (Journal article) P.P. Campostrini, G. Chitarin, M. Guarnieri, N. Pomaro, F. Trevisan: "Methods of Magnetic Measurements in the RFX Fusion Experiment" (IEEE Trans. on Magnetics, vol. 31, no.6 , Nov. 1995, pag. 3158 - 3160) <https://doi.org/10.1109/20.490313>
- [P034] (Journal article) A. Stella, M. Guarnieri, F. Bellina, P.P. Campostrini, G. Chitarin, F. Trevisan, P. Zaccaria, "The RFX Magnet System" (Fusion Engineering and Design, vol. 25, no. 4, Jan 1995, pag. 373 - 400) [https://doi.org/10.1016/0920-3796\(94\)00281-B](https://doi.org/10.1016/0920-3796(94)00281-B)
- [P033] (Conference paper) P.P. Campostrini, G. Chitarin, N. Pomaro, F. Trevisan: "Calibration and Operation of the magnetic measurements of RFX", (Proc. of the 18th Symposium on Fusion Technology, Karlsruhe, Germany, Fusion Technology 1994, Elsevier 1995, pag. 779 – 782) ISBN: 0-444-82220-8
- [P032] (Conference paper) V. Antoni ... G. Chitarin, et al.: "Comparison of different RFX operation Modes", (Proc. of the 15th IAEA Conf. on Plasma Physics and Controlled Nuclear Fusion Research, Seville, Spain, Sept. 1994, vol 2, pag. 405-413) ISBN: 9201036957
- [P031] (Conference paper) F. Bellina, G. Chitarin, F. Trevisan: "Effects of poloidal eddy currents in the vacuum vessel of RFX on the local magnetic field measurements", (Proc. of the Int. Workshop on the Electromagnetic forces and related effects on blankets and other structures surrounding plasma torus, Capri, Italy, Aug. 1994, pag 29-33)
- [P030] (Journal article) F. Bellina, G. Chitarin, F. Trevisan: "Validation of a Plasma Countour Identification Code", (IEEE Trans. on Magnetics, vol. 31, no. 3, May 1995, pag. 2146 - 2149) <https://doi.org/10.1109/20.376471>
- [P029] (Conference paper) A. Buffa, F. Gnesotto, V. Antoni, P. Campostrini, S. Cappello, G. Chitarin, A. De Lorenzi, P. Fiorentin, P. Innocente, G. Marchiori, E. Martines, S. Martini, R. Piovan, N. Pomaro, P. Sonato, F. Trevisan "Magnetic Field Configurations and Locked modes in RFX" (Proc. of the 21 EPS conference on Controlled Fusion and Plasma Physics, Montpellier, France, Jun 1994, vol I pag. 458 - 461, Europhysics Conferences, European Physics Society, 1994, vol. 18B)
- [P028] (Journal article) F. Bellina, G. Chitarin, F. Trevisan "Identification of Plasma contour in a RFP configuration" (IEEE Trans. Mag.vol 30, no 5 Sept. 1994, pag. 3096 - 3099) <https://doi.org/10.1109/20.312592>
- [P027] (Conference paper) F. Bellina, P. Campostrini, G. Chitarin, M. Guarnieri, A. Stella, F. Trevisan "Identification of RFX Plasma Shape from the Electromagnetic Probe Signals" (Proc. of the 15 SOFE conference, Hyannis, Ma, Oct 11-15 1993, pag. 231 - 234) ISBN: 0-7803-1413-1, <https://doi.org/10.1109/FUSION.1993.518321> , ISBN: 0-7803-1412-3
- [P026] (Conference paper) F. Bellina, G. Chitarin, M. Guarnieri, A. Stella, F. Trevisan "Earth faults during RFX initial operation" (Proc. of the 15 SOFE conference, Hyannis, Ma, Oct 11-15 1993, pag. 345 - 348) ISBN: 0-7803-1413-1, <https://doi.org/10.1109/FUSION.1993.518346>

- [P025] (Journal article) F. Bellina, G. Chitarin, M. Guarnieri, F. Trevisan "Design, Construction and Operation of the Fast Protection System of the Windings of RFX" (IEEE Trans. on Magnetics, vol. 30, no. 4, Jul 1994, pag. 1851 - 1854), <https://doi.org/10.1109/20.305621>
- [P024] (Journal article) F. Bellina, G. Chitarin, G. Zollino "Investigation on transient Overvoltages in a large winding for a Fusion Device during insulation tests" (IEEE Trans. on Magnetics, vol. 30, no. 4, Jul 1994, pag. 2558 - 2561) <https://doi.org/10.1109/20.305800>
- [P023] (Journal article) Antoni V., Apolloni L., Bagatin M., Baker W., Bassan M., Bellina F., Benfatto I., Bergsäker H., Buffa A., Campostrini P., Cappello S., Carraro L., Casarotto E., Chitarin G, et al.: "Confinement Studies on RFX", (Plasma Physics and Controlled Fusion, Vol 35, Suppl. (12)B Dec. 1993). <https://doi.org/10.1088/0741-3335/35/SB/027>
- [P022] (Conference paper) F. Bellina, P. Campostrini, G. Chitarin, M. Guarnieri, A. Stella, F. Trevisan, P. Zaccaria: "Il sistema magnetico di RFX", atti della riunione annuale AEI, Ancona 1993
- [P021] (Conference paper) G. Rostagni, ... G. Chitarin ... et al.: "La macchina RFX per ricerche sulla fusione termonucleare controllata, atti della riunione annuale AEI, Ancona 1993
- [P020] (Conference paper) The RFX Team: "First results of the RFX Reversed Field Pinch experiment", (Proc. of 14th IAEA. Conf. in Plasma Physics and Controlled Nuclear Fusion Research - Würzburg, Germany - 30 Sept.-7 Oct. 1992). IAEA Vienna, 1993, ISBN: 92-0-101193-1
- [P019] (Conference paper) L. Fellin, ... G. Chitarin, ... et al.: "Integration of the RFX Electromagnetic Circuit", (Proc. of the 17th Symposium on Fusion Technology, Elsevier Science Publishers, Netherlands, 1993, pag. 842-846) ISBN: 978-0444899958
- [P018] (Conference paper) G. Chitarin M. Guarnieri, G. Orrea, A.Stella, F. Trevisan: "The Fault Detection System of the windings of RFX", (Proc. of the 17th Symposium on Fusion Technology, Elsevier Science Publishers, Netherlands, 1993, pag. 822-826) ISBN: 978-0444899958
- [P017] (Conference paper) P. Kusstatscher, ... G. Chitarin, ... et al.: "Installation, commissioning and start up of RFX", (Proc. of the 17th Symposium on Fusion Technology, Elsevier Science Publishers, Netherlands, 1993, pag. 717-721) ISBN: 978-0444899958
- [P016] (Journal article) G. Chitarin, A. Stella , F. Trevisan: "Feasibility Studies on X-Point Magnetic Configurations for RFX Fusion Experiment", (IEEE Trans. on Magnetics, vol 29 n. 2, Mar. 1993 pag. 2055-2058). <https://doi.org/10.1109/20.250815>
- [P015] (Journal article) G. Chitarin, M. Guarnieri, A. Stella: "An integral formulation for eddy current analyses in axisymmetric configurations" (IEEE Trans on Magnetics, vol 25,n 5 Sept. 1989, pag. 4330-4341). <https://doi.org/10.1109/20.42600>
- [P014] (Journal article) P. Campostrini, G.Chitarin, A.Stella, G. Zollino "Internal behaviour of large coils subject to transient voltage" (COMPEL, vol 11, n. 1, Mar 92, pag. 229-232) <https://doi.org/10.1108/eb051794>
- [P013] (Journal article) F. Bellina, P. Campostrini, G.Chitarin, A.Stella, F. Trevisan: "Automated optimal design techniques for inverse electromagnetic problems" (IEEE Trans. on Magnetics, vol 28, n 2, Mar. 1992, pag. 1549-1552) <https://doi.org/10.1109/20.123993>
- [P012] (Journal article) F. Bellina, G. Chitarin, A.Stella: "Analysis of the breakdown of a poloidal field coil of RFX during acceptance test" (Fusion Technology, vol. 19, n. 3, May 1991, pag. 1211-1216) ISSN:0748-1896
- [P011] (Conference paper) F. Bellina, G. Chitarin, P. L. Zaccaria: "RFX Ohmic heating Coils: design of the electric terminals and busbars" (Proc. of the 11th International Conference on Magnet Technology, Tsukuba, Japan 28 Aug-1 Sep 1989; pag. 896-901, T. Sekiguchi, S. Shimamoto, Elsevier Applied Science, London, UK) ISBN: 1-85166-503-X
- [P010] (Conference paper) P.P. Campostrini, G. Chitarin, M. Guarnieri, A. Stella: "Fault Protection of the RFX Magnetic System" (Proc. of the 11th International Conference on Magnet Technology, Tsukuba, Japan 28 Aug.-1 Sept. 1989; pag. 1249-1254, T. Sekiguchi, S. Shimamoto, Elsevier Applied Science, London, UK) ISBN: 1-85166-503-X
- [P009] Monografia o trattato scientifico G. Chitarin, M. Guarnieri, A. Stella: "An equivalent network approach to the electromagnetic Field diffusion in Axisymmetric configuration" (IGI report 88/03, Padova Sept. 1988)
- [P008] (Journal article) G. Chitarin, M. Guarnieri, A. Stella: "Design development and construction of the RFX Field Shaping Winding" (Fusion Technology vol. 15, No. 2, Mar 1989; pag 1032-1038) ISSN:0748-1896
- [P007] (Conference paper) F. Bellina, P.P. Campostrini, G. Chitarin, M. Guarnieri A.Stella: "Fault Analysis and Protection of the RFX Toroidal Field System" (Proc. of the 12th Symposium on Fusion Engineering, Monterey Ca, Oct. 1987, pag 315-318, IEEE, Piscataway, NJ, USA, IEEE catalog number 87CH2507-2).

- [P006] (Journal article) (Journal article) G.Chitarin, M.Guarnieri, A.Stella: "Current diffusion in the RFX Magnetizing Winding" (IEEE Trans. on Magnetics, vol 24, n 2, Mar 1988, pag. 1520-1523). <https://doi.org/10.1109/20.11534>
- [P005] (Journal article) G. Chitarin, M. Guarnieri, A. Stella: "Transient behaviour of a thick-walled axisymmetric winding: a lumped parameter approach" (IEEE Trans. on Magnetics, vol 24, n 1, Jan. 1988, pag. 205-208). <https://doi.org/10.1109/20.43890>
- [P004] (Conference paper) F. Bellina, P.P. Campostrini, G. Chitarin, M. Fauri and P.L. Zaccaria: "Field errors in the RFX magnetic field configuration" (Proc. of the 14th Symposium on Fusion Technology, Avignon, France, Sept. 1986, pag. 659-664, Fusion Technology 1986 editor A. Torossian , Pergamon Press Oxford, 1986) ISBN:0-08-034935-8
- [P003] (Conference paper) P. Campostrini, G.Chitarin A. Stella: "Fault analysis and protection concepts for RFX poloidal magnetic system". (Proc. of the 11th Symposium on Fusion Engineering, Austin Texas, Nov. 1985, pag. 454-458, IEEE, Piscataway, NJ, USA, IEEE catalog number 85CH2251-2).
- [P002] (Conference paper) F. Bellina, G.Chitarin, M. Guarnieri, A.Stella: "The RFX Field-Shaping winding design" (Proc. of the 9th International Conference on Magnet Technology, Zürich, Sept. 1985, pag. 383-386) C. Marinucci, P. Weymuth editors, ISBN: 3907998006
- [P001] (Conference paper) G. Carrara, G. Chitarin: "The problem of voltage distribution measurement along insulators strings subjected to direct voltage" (Proc. of the 4th International Symposium on High Voltage Engineering, Athens , 5-9 Sept. 1983, vol 2, pag. 62.11).