

### Journal papers submitted by a Consorzio RFX first author

- R.1. Grenfell G., Van Milligen G., Losada B. Ph., Ting W., Liu B., Silva C., Spolaore M., Hidalgo C., and the TJ-II Team: "Measurement and control of turbulence spreading in the scrape-off layer of TJ-II stellarator", *NUCL. FUSION* **59** Issue: 1, 016018 (JAN 2019)
- R.2. Spizzo G., White R., Maraschek M., ASDEX Upgrade Team: "Nonlocal transport in toroidal plasma devices", *NUCL. FUSION* **59** Issue: 1, 016019 (JAN 2019)
- R.3. Kudlacek O, Marchiori G., Finotto C., et al.: "Cleaning of the Eddy Current Effects From Magnetic Diagnostics", *IEEE TRANS. ON PLASMA SCI.* **47** Issue: 1, 858-863 Part: 3 (JAN 2019)
- R.4. Gambetta G., Agostinetti P., Sonato P., Fedele L., Bobbo S., Cabaleiro D.: "Numerical analyses and tests for optimized and enhanced heat transfersolutions in DEMO", *Fus Eng and Design*, **146**, Part B, 2692-2697 (Sep 2019)
- R.5. Vincenzi, P., Varje, J., Agostinetti P., et al.: "Estimate of 3D power wall loads due to Neutral Beam Injection in EU DEMO ramp-up phase", *NUCLEAR MATERIALS AND ENERGY* **18**, 188-192 (JAN 2019)
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- R.38. Fellin F., Boldrin M., Cucinotta E. S., et al.: "Simulation and verification of air cooling system for-1MVdc MITICA High Voltage hall in Padova", FUS ENG AND DESIGN **146** Special Issue, 1069-1072 Part: A (SEP 2019)
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**National and International Conferences (invited talks in red and oral communications in green, papers submitted by other labs with Consorzio RFX co-authors in italic)**

**ISPlasma2019/IC-PLANTS2019, March 17-21 2019, Nagoya, Japan**

- P.1. De Masi G., Gareri C., Cordaro L., Fassina A., Cavazzana R., Martines E., Zaniol B., Zuin M., et al. : “The Effect of an Atmospheric Plasma Source on Blood Coagulation”, ISPlasma2020/IC-PLANTS2020, March 8-12 2019, Nagoya, Japan, **invited**

**9th Workshop on Stochasticity in Fusion Plasmas , 8-10 April 2019, Bad Honnef Germany**

- P.2. Lorenzini R.: “Magnetic reconnection in 3D equilibria of RFX-mod“, 9th Workshop on Stochasticity in Fusion Plasmas , 8-10 April 2019, Bad Honnef Germany, **Invited**

**European Conference Plasma Diagnostics- ECPD, 6-9 May 2019, Lisbon Portugal**

- P.3. Franz P., Fassina A., Trevisan L.: “Design Progress of new Thomson Scattering System in RFX-mod2”, European Conference Plasma Diagnostics- ECPD, 6-9 May 2019, Lisbon Portugal
- P.4. Cavazzana R., De Masi G., Cavazzana R., Bettini P., Marchiori G., M. Moresco, Peruzzo S., D. Voltolina, Bernardi M., A. Tiso: “Design of a new reflectometric system for real time plasma position control on the RFX-mod2 device”, European Conference Plasma Diagnostics- ECPD, 6-9 May 2019, Lisbon Portugal
- P.5. Spolaore M., Agostinetti P., Killer C., Brombin M., Cavazzana R., Ghirardelli R., Grenfell G., Grulke O., Moresco M., Martines E., Neubauer O., Nicolai D., Satheeswaran G., Schweer B., Vianello N., Visentin M. and W7-X Team: “High Resolution Probe for filament transport and current density study at the edge region of W7-X”, JINST **14** C09035 (2019)- **Oral**
- P.6. Pasqualotto R., Hiroshi T., Fassina A., Giudicotti I., Nardino V., Naoyuki O., Pelli S., Raimond V.: “Conceptual design of JT-60SA edge Thomson scattering diagnostic”, European Conference Plasma Diagnostics- ECPD, 6-9 May 2019, Lisbon Portugal

**AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy**

- P.7. Bustreo C., Giuliani U., Zollino G.: “Scenarios for power generation in Italy”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.8. Polli G.M., Albanese R., Crisanti F., Martin P., Pizzuto A., Ambrosino R., A. Appi, Cucchiaro A., Di Gironimo G., Di Pace L., Di Zenobio A., Frattolillo A., Granucci G., Innocente P., Lampasi A., Martone R., Mazzitelli G., Ramogida G., Roccella S., Rossi P., Rydzy A., Sandri S., Tuccillo A., Valisa M., Villari R., Vitale V., the DTT Team: “DTT: Overview and Status of the Project”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.9. De Lorenzi A.: “HV Holding in Vacuum, a Key Issue for the ITER Neutral Beam Injector The contribution of Consorzio RFX”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.10. Marcuzzi D., and the Consorzio RFX NBTF Team: “ITER Neutral Beam Test Facility status”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.11. Barzon A., Degli Agostini F., Fasolo D., Franchin L., Tollin M., Lo Bue A, Semeraro L.: “Metrology for integration and installation activities at the PRIMA Test Facility”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy

- P.12. Lotto L., De Lorenzi A., Pilan N., Tiso A., Rossetto F., Romanato L., Battistella M., Maniero M., Barbato P., Cervaro V.: “The realization of the High Voltage Short Gap Test Facility”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.13. Maniero M., Pilan N., Lotto L., De Lorenzi A., Tiso A., Rossetto F., Romanato L., Cervaro V.: “Preparation of a double polarity dc experiment at the High Voltage Padova Test Facility”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.14. Ravarotto D., Moro G., Serianni G.: “Proposal for upgrades of the control and data acquisition system of the Negative Ion Source NIO1”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.15. Rizzieri R., Rizzolo A., Barbisan M., Capobianco R., De Muri M., Fadone M., Ghiraldelli R., Laterza B., Marchiori G., Marcuzzi D., Migliorato L., Molon F., Ravarotto D., Rossetto F., Sartori E., Serianni G.: “The CAesium Test Stand for the development of the caesium ovens for negative ion sources”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy
- P.16. *Siviero F., Mura M., Maccallini E., Manini P., Sartori E., Siragusa M. and Sonato P.: “Large Non-evaporable Getter pumps for application in Nuclear Beam Injectors: from conceptual design to manufacturing”, AIV XXIV Conference, May 7-10, 2019, Giardini Naxos, Italy*

**IAEA TMC CODAS 2019, 13-17 May 2019, Daejeon, Republic of Korea**

- P.17. Luchetta A., Pomaro N., Taliercio C., Moressa M., Svensson L., Paolucci F., Labate C.: “Design of the Interlock System for MITICA”, IAEA TMC CODAS 2019, 13-17 May 2019, Daejeon, Republic of Korea
- P.18. Manduchi G., Moro G., Luchetta A., Rigoni A., Taliercio C.: “Web-based Streamed Waveform Display using MDSplus events and Node.js”, IAEA TMC CODAS 2019, 13-17 May 2019, Daejeon, Republic of Korea
- P.19. Manduchi G., Rigoni A., Fredian T.W., Stillerman J.A., Neto A., Sartori F.: “MARTE2 and MDSplus integration for a comprehensive Fast Control and Data Acquisition System”, IAEA TMC CODAS 2019, 13-17 May 2019, Daejeon, Republic of Korea

**The First International Conference on Innovative Fusion Approaches (ICIFA) will be held on May 26-28, 2019 in Xi'an, China**

- P.20. Zuin M. and the RFX-mod team: “Overview of the Fusion Science Activity in the RFX-mod Device towards RFX-mod2”, The First International Conference on Innovative Fusion Approaches (ICIFA) will be held on May 26-28, 2019 in Xi'an, China
- P.21. Cavazzana R., Piovan R., Bustreo C., Zuin M., Puiatti M. E., Valisa M., Bettini P., Zollino G., Casagrande R.: “Perspective of a Reversed Field Pinch as Fusion Core for Neutron Generation”, The First International Conference on Innovative Fusion Approaches (ICIFA) will be held on May 26-28, 2019 in Xi'an, China

**Giornata Nazionale Saldatura - GNS10, 30-31 May 2019, Genova, Italy**

- P.22. Manfrin S., Rossetto F., Valente M., Zaccaria P., Bolcato D., Parma A., Ruaro D., Zanutto M., et al.: “Costruzione e ispezioni della camera da vuoto dell’iniettore di neutri per l’esperimento MITICA (progetto ITER)”, Giornata Nazionale Saldatura - GNS10, 30-31 May 2019, Genova, Italy

**28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA**

- P.23. Zaupa M., Dalla Palma M., Barucca L., Ciattaglia S.: “Preliminary thermo-mechanical design of the once through steam generator and molten salt intermediate heat exchanger for EU DEMO”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA

- P.24. Aprile D., Patton T., Pilan N., Chitarin G.: “Design of a system for performing high voltage holding test campaigns on a mockup of MITICA negative ion source”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA
- P.25. Aprile D., Agostinetti P., Denizeau S., Chitarin G.: “Mapping of magnetic field of SPIDER by a three-axis automatic positioning system”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA
- P.26. Dan M., Zanotto L., Finotti C., Decamps H., Gutierrez D.: “Tests of Acceleration Grid Power Supply-Conversion System of the MITICA test facility”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA
- P.27. Agostinetti P., Franke T., Mantel N., Tran M. Q.: “RAMI Evaluation of the Beam Source for the DEMO Neutral Beam Injector”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA
- P.28. Ferro A., Zanotto L., Toigo V.: “Manufacturing, installation and commissioning of the residual ion dump power supply for MITICA experiment”, 28TH IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA, [oral](#)
- P.29. Piovan R., Agostinetti P., Bettini P., Bustreo C., Cavazzana R., D. Escande, Gaio E., Maistrello A., Puiatti M. E., Valisa M., Zollino G., Zuin M.: “Status and Perspective of the Reversed Field Pinch as Fusion Core in a Fusion-Fission Hybrid Reactor”, 28th IEEE Symposium on Fusion Engineering, 2 – 6 June, 2019, Florida, USA, [oral](#)

**2019 IEEE Pulsed Power and Plasma Science Conference (PPPS 2019), 23-18 June 2019, Orlando, Florida - USA**

- P.30. Recchia M., Jain P., Gaio E., Maistrello A., Serianni G., Zamengo A.: “Studies on power transfer efficiency in the drivers of the SPIDER inductively coupled RF ion source”, 2019 IEEE Pulsed Power and Plasma Science Conference (PPPS 2019), 23-18 June 2019, Orlando, Florida - USA
- P.31. Gasparini F., Recchia M., Bigi M., Maistrello A., Zamengo A., Gaio E.: “An Eigenvalue Approach to Study SPIDER RF Oscillator Operating Space”, 2019 IEEE Pulsed Power and Plasma Science Conference (PPPS 2019), 23-18 June 2019, Orlando, Florida – USA

**10th Festival de Théorie Aix en Provence, July 1-26, 2019**

- P.32. Cappello S.: “Magnetic chaos healing and helical self-organization in plasma pinches” at 10th Festival de Théorie Aix en Provence, July 1-26, 2019 – [Invited tutorial](#)

**EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy**

- P.33. Bolzonella T., Cavazzana R., Innocente P., Zanca P., Zaniol B., Zuin M.: “High-n tearing mode dynamics in fast rotating RFP plasmas”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1048
- P.34. Ferron N., Antoni V., Agostinetti P., Barbisan M., Cavenago M., Chitarin G., Delogu R. S., Minelli P., Pimazzoni A., Poggi C., Sartori E., Serianni G., Suweis S., Taccogna F., Ugoletti M., Veltri P.: “A real case of complex network controllability: the NIO1 ion beam source”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P4.1072
- P.35. Bettini P., Cavazzana R., Marchiori G., Marrelli L., Spizzo G., Voltolina D., Zanca P.: “MHD Dynamics and Error Fields in the RFX-mod2 Reversed field Pinch”, EPS 2019 -

- 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy - P4.1038
- P.36. Cavazzana R.: “Electrical modelling of the Reversed Field Pinch configuration”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1052
- P.37. Vallar M., Bolzonella T., Garcia J., Kurki-Suonio T., Sarkimaki K., Varje J., Vincenzi P.: “Toroidal field ripple-induced NB energetic particle losses in JT-60SA”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P5.1008
- P.38. Veranda M., Scarin P., Agostini M., Bonfiglio D., Cappello S., Spizzo G., Zanca P.: “RFX-mod2: a reversed-field pinch device with edge transport optimization”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P2.1003
- P.39. Voltolina D. Bettini P., Igochine V., Marrelli L., Pigatto L., Piron L., Zammuto I., the ASDEX Upgrade Team, and the EUROfusion MST1 Team: “ Vacuum Estimation of Error Field Correction on ASDEX Upgrade”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P4.1099
- P.40. Spizzo G., White R.B., Maraschek M. Igochine V., Granucci G., the ASDEX Upgrade Team and the EUROfusion MST1 Team, “ Nonlocal transport in toroidal plasma devices”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy –P2.1078
- P.41. Vincenzi P., Delabie E., Solano E. R., Bourdelle C., Hillesheim J.C., Carvalho P., Chernyshova M. and JET contributors: “Ion heat channel at the L-H transition in JET-ILW”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P2.1081
- P.42. Bonfiglio D., Cappello S., Escande D.F., Di Giannatale G. , Kryzhanovskyy A. , Veranda M., Marrelli L., Zanca P.: “Effect of a realistic boundary on the helical self-organization of the RFP”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1049
- P.43. Paccagnella R., Masamune S., Mizuguchi N., Predebon I., Sanpei A.: “Cylindrical vs toroidal Single Helical states in the low aspect ratio RELAX device”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P5.1103
- P.44. Pigatto L., Bettini P., Bolzonella T., Bonotto M., Liu Y.Q., Marchiori G., Takechi M., Villone F.: “Modelling multi-modal Resistive Wall Mode feedback control in JT-60SA perspective high  $\beta$  scenarios”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P5-1002
- P.45. Carraro L., Innocente P., Tamura N.: “1-dim Collisional Radiative impurity transport code with internal particle source for TESPEL inject”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P2.1084
- P.46. Piron L., Hender T. C., Joffrin E., Auriemma F., Buratti P., Paccagnella R., Zanca P., Challis C., Gerasimov S., Henriques R. B., Marrelli L., Lomas P., Pucella G., Rimini F., Terranova D. and JET Contributors: “Experimental and modelling study of LM dynamics prior to disruptions in high performance JET”, EPS 2019 - 46th European Physical Society

Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – O4-109 **Oral**

- P.47. Valisa M., Carraro L., Casson F. J., Citrin J., Frassinetti L., Koechl F., Romanelli M., Puiatti M.E., Coffey I., Delabie E., Giroud C., Menmuir S., O’Mullane M. , and JET, and JET contributors: “The role of the edge barrier in the penetration of impurities in the JET ELMY H-mode plasmas”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P5.1083
- P.48. Fassina A., Franz P., Gobbin M., Marrelli L., Piovesan P., Spizzo G., Terranova D.: “Time evolution of electron temperature profiles in RFX-mod helical states”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P4.1061
- P.49. Ugoletti M., Agostini M. , Brombin., M., Pasqualotto R., Serianni G.: “Tomographic reconstruction of the visible emission of NIO1 negative ion beam”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P5.3012
- P.50. Martines E.: “Atmospheric pressure helium plasma as a tool for interacting with cells and pathogens”, oral, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – I5.301 **Invited**
- P.51. *Varje J., Kurki-Suonio T., Vallar M., Sirén P., Särkimäki K., Garcia, Bolzonella T.: “ASCOT-AFSI simulations of fusion products for the main operating scenarios in JT-60SA”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P2.1086*
- P.52. *Coelho R., Rodrigues P., Ferreira J., Vallar M., Särkimäki K., Garcia J.: “Interaction of energetic particles from neutral beam injection with Alfvén Eigenmodes in JT-60S”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P2.1031*
- P.53. *Nem R. D., Schneider B. S., Herrmann A., De Marne P., Naulin V., Rasmussen J. J., Sieglin B., Schrittwieser R. , Ionita C. , Costea S., Vianello N., Spolaore M., Kovacic J. and MSTI team: “Comparison of Tokamak Plasma Midplane with Divertor Conditions”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P4.1050*
- P.54. *Ayllon-Guerola J., Garcia-Munoz M., Davis S., Dibon M., Kurki-Suonio J., Nocente M., Perelli E., Snicker A., Sozzi C., Turnyanskiy M., Vallar M., Wanner M., and the JT-60SA Team: “Feasibility study and physics performance of a fast-ion loss diagnostics for the JT-60SA tokamak”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1009*
- P.55. *Gerasimov N., Abreu P., Artaserse G., Buratti P., Carvalho I.S., De La Luna E., Hender, R.B. Henriques T.C., Lomas P.J., Matveeva E., Moradi S., Piron L., Rimini F.G., Szepesi G., Zakharov L.E., and JET Contributors: “Locked mode and disruption in JET-ILWS”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1056*
- P.56. Valisa M., Chernyshova M., Biel W., Bombarda F., Carraro L., Coffey I., Czarski T., Davis S., Fassina A., Fornal T., Gabellieri L., Kowalska-Strzëciwilk E., Księżek I., Lawson K., Malinowski K., Nakano T., Oyama N., Romano A., Puiatti M.E., Scully S., Soare S., Sozzi C.: “Physics requirements for the VUV survey spectrometer intended for the divertor radiation monitoring on JT-60SA”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1012

- P.57. Baruzzo M., Pironi A., Albanese R., Ambrosino R., Artaserse G., Castaldo A., Cavazzana R., Cianfarani C., Crisanti F., Marchiori G., Marconato N., Marrelli L., Martin P., Mele A., Peruzzo S., Ramogida G., Terranova D., Testa D., Zanca P., Zuin M.: “Conceptual design of DTT magnetic diagnostics”, 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1010
- P.58. Gobbin M., Macusova E., Ficker O., Markovic T., Bilkova P., Bohm P., Casolari A., Cerovsky J., Farnik M., Fassina A., Hron M., Mlynar J., Sos M., Valisa M., Weinzettl V., the COMPASS Team and the EUROfusion MST1 Team: “Runaway electron mitigation by n=1 and n=2 magnetic perturbations in COMPASS”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy
- P.59. Albanese R., Ambrosino R., Baruzzo M., Bolzonella T., Crisanti F., Di Gironimo G., Di Zenobio A., Falessi M., Gobbin M., Granucci G., Innocente P., Mantica P., Martin P., Martone R., Mazzitelli G., Pironi A., Pizzuto A., Polli G., Ramogida G., Spizzo G., Tuccillo A., Valisa M., Vincenzi P., Zonca F. and the DTT team “The new Divertor Tokamak Test facility”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – O2.102
- P.60. Cavenago M., Barbisan M., Delogu R. S., Pimazzoni A., Poggi C., Antoni V., Balltador C., Cervaro V., Jain P., Laterza B., Maero G., Maniero M., Martini D., Minarello A., Ravarotto D., Recchia M., Romé M., Taccogna F., Ugoletti M., Variale V., Veltri P. and Seriani G.: “Experiments on negative ion sources at the NIO1 installation”, EPS 2019 - 46th European Physical Society Conference on Plasma Physics, 8-12 July 2019, University Milano Bicocca, Milano – Italy – P1.1073

**EFTSOMP - Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas, 15-16 July, Padova, Italy**

- P.61. Agostini M., Vianello N., Carraro L., Carralero D., Cavedon M., Dux R., Lunt T., Naulin V., Spolaore M., Wolfrum E., the ASDEX-Upgrade Team, the EUROfusion MST1 Team: “Study of the role of divertor neutrals and SOL turbulence in the density shoulder formation and evolution in ASDEX-U”, EFTSOMP - Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas, 15-16 July, Padova, Italy - **invited**
- P.62. Grenfell G., Spolaore M., Abate D., Carraro L., Marrelli L., van Milligen B.Ph., Predebon I., Spagnolo S., Veranda M., Agostine, Cavazzana R., Cordaro L., De Masi G., Franz P., Martines E., Momo B., Puiatti M.E., Scarin P., Vianello N., Zaniol B., Zuin M. and the RFX-mod Team3: “3D filamentary transport and the role of edge sheared radial electric fields in the RFX-mod tokamak operation”, EFTSOMP - Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas, 15-16 July, Padova, Italy - **oral**
- P.63. Spolaore M., Agostinetti P., Killer C., Moresco M., Brombin M., Cavazzana R., Ghirardelli R., Grenfell G., Grulke O., Lazerson S., Martines E., Neubauer O., Nicolai D., Satheeswaran G., Schweer B., Vianello N., Visentin M. and W7-X Team: “High Resolution Probe for filament transport and current density study at the edge region of W7-X”, EFTSOMP - Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas, 15-16 July, Padova, Italy - **oral**
- P.64. Momo B., Isliker H., Cavazzana R., Zuin M., Cordaro L., Lopez Bruna D., Martines E., Spolaore M., Vlahos L.: “The phenomenology of fast reconnection events in the reversed field pinch”, EFTSOMP - Workshop on Electric Fields, Turbulence and Self-Organization in Magnetized Plasmas, 15-16 July, Padova, Italy - **oral**

**COMPUMAG 2019, July 15-19, 2019, Paris, Franc**



- P.65. Voltolina D., Torchio R., Bettini P., Cavazzana R., and Moresco M.: “PEEC modeling of planar spiral resonators”, 22nd International Conference on the Computation of Electromagnetic Fields, COMPUMAG 2019, July 15-19, 2019, Paris, France – Pc-M1-1 to be published in IEEE Transactions on Magnetics
- P.66. Bonotto M., Villone F., Liu Y., Bettini P.: “Matrix Based Rational Interpolation for New Coupling Scheme Between MHD and Eddy Current Numerical Models”, 22nd International Conference on the Computation of Electromagnetic Fields, COMPUMAG 2019, July 15-19, 2019, Paris, France – Pc-M2-6 to be published in IEEE Transactions on Magnetics
- P.67. Bettini P., De Lorenzi A., Marconato N., Patton T., Pilan N., Specogna R.: “Residual-based error estimator with guaranteed error bounds for mixed-hybrid geometric formulations for electrostatics”, 22nd International Conference on the Computation of Electromagnetic Fields, COMPUMAG 2019, July 15-19, 2019, Paris, France – PB-M3-14 to be published in IEEE Transactions on Magnetics

**7th Annual Theory and Simulation of Disruptions Workshop, 5-7 August 2019, PPPL Princeton, New Jersey- USA**

- P.68. Piron L., Hender T. C., Joffrin E., Buratti P., Challis C., Gerasimov S., Henriques R., Marrelli L., Lomas P., Paccagnella R., Pucella G., Rimini F., Terranova D., Zanca P.: “Locked mode dynamics prior to disruptions in high performance JET plasmas”, 7th Annual Theory and Simulation of Disruptions Workshop, 5-7 August 2019, PPPL Princeton, New Jersey- USA

**5th Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC5), 27-30 August 2019, Roma**

- P.69. Dalla Palma M., Gambetta G., Peruzzo S.: “Thermal analysis of the RFX-mod2 operating conditions for the design of the temperature measurement system”, 5th Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC5), 27-30 August 2019, Roma, OP1.12 [oral](#)
- P.70. Dalla Palma M., Spolaore M.: “Modelling of fast response surface thermocouples for fusion plasma facing components”, 5th Central and Eastern European Committee for Thermal Analysis and Calorimetry (CEEC-TAC5), 27-30 August 2019, Roma, PS1.078

**18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China**

- P.71. Fadone M., Barbisan M., Cristofaro S., De Muri M., Sartori E., Serianni G.: “Interpreting the dynamic equilibrium during evaporation in a Caesium environment”. 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China –Rev. Sci. Instrum. **91**, (2020)
- P.72. Sartori E., Candeloro V., Serianni G.: “Analysis of current voltage characteristics for Langmuir probes immersed in an ion beam”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in Rev. Sci. Instrum. **91**, (2020)
- P.73. Serianni G., Toigo V., Boilson D., Rotti C., Bonicelli T., Paolucci F., Chakraborty A., Kashiwagi M., Fantz U., the NBTF team and the contributing Staff of IO, F4E, IPR, QST, IPP and other laboratories: “First operation in SPIDER and the path to complete MITICA”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in Rev. Sci. Instrum. **91**, (2020)
- P.74. Zaniol B., Barbisan M., Bruno D., Pasqualotto R., Taliercio C., Ugoletti M.: “First measurements of Optical Emission Spectroscopy on SPIDER Negative Ion Source”, 18th

- International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.75. Siragusa M., Sartori E., Bonomo F., Heinemann B., Orozco G., Serianni G.: “Simulation of the gas density distribution in the accelerator of the ELISE test facility”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.76. Poggi C., Sartori E., Zuin M., Brombin M., Fassina A., Fincato M., Siragusa M. and Serianni G.: “CRISP: a Compact RF Ion Source Prototype for emittance scanner testing”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.77. Pimazzoni A., Brombin M., Delogu R. S., Fasolo D., Franchin L., Laterza B., Pasqualotto R., Serianni G., Tollin M.: “Assessment of the SPIDER beam features by diagnostic calorimetry and thermography”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.78. Siragusa M., Sartori E., Siviero F., Mura M., Serianni G.: “Numerical simulation of experimental tests performed on ZAO® Non-EvaporableGetter pump designed for NBI applications”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.79. Poggi C., Sartori E., Tollin M., Brombin M., Fagotti E., Serianni G.: “Design and development of an Allison type emittance scanner for the SPIDER ion source”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)
- P.80. *Cavenago M., Delogu R. S., Barbisan M., Pimazzoni A., Poggi C., Agostini M., Antoni V., Balltador C., Cervaro V., De Muri M., Giora D., Jain P., Laterza B., Maero G., Maniero M., Martini D., Minarello A., Ravarotto D., Recchia M., Rizzolo A., Romé M., Sartori E., Sattin M., Serianni G., Taccogna F., Ugoletti M., Variale V., Veltri P.: “Improvements of the NIOI Installation for Negative Ion Sources”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)*
- P.81. *Variale V., Valentino V., Cavenago M., Balltador C., Sartori E. and Serianni G.: “Beam Energy Recovery for Fusion: Collector design for the test on NIOI source”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)*
- P.82. *Wimmer C., Bonomo F., Hurlbatt A., Schiesko L., Fantz U., Heinemann B., Orozco G., Agostini M., Barbisan M., Brombin M., Delogu R. S., Pimazzoni A., Serianni G., Ugoletti M., Veltri P.: “Novel comparative measurement of H<sup>-</sup> beam divergences at the BATMAN Upgrade test facility: single beamlet and a group of beamlets”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)*
- P.83. *Cristofaro S., Fröschle M., Mimo A., Rizzolo A., DeMuri M., Barbisan M. and Fantz U.: “Design and comparison of the Cs ovens for the test facilities ELISE and SPIDER”, 18th International Conference on Ion Sources (ICIS'19), September 1-6 2019, Lanzhou, China – to be published in *Rev. Sci. Instrum.* **91**, (2020)*

**MeVArc 2019 – 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) 16-19 September 2019, Padova, Italy**

- P.84. Spada E., De Lorenzi A., Lotto L., Pilan N., Zuin M.: “The Breakdown Induced by Rupture of Dielectric layer (BIRD) model: insights and future developments”, MeVArc 2019 – 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.85. Zamengo A., Agostini M.: “RF Breakdowns in the SPIDER experiment during its first operational phase”, MeVArc 2019 – 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.86. Toigo V., Dal Bello S., Boilson D., Rotti C., Bonicelli T., Paolucci F., Chakraborty A., Kashiwagi M.: “Progress of the ITER Neutral Beam Test Facility project”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy- [oral](#)
- P.87. Serianni G., Toigo V.: “ First year of operation of SPIDER, prototype source of ITER neutral beam injectors”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.88. Chitarin G., Aprile D., Patton T., Pilan N.: “Design of the first vacuum and low-pressure gas insulation tests for the MITICA 1 MV electrostatic Accelerator”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.89. Cordaro L., Cavazzana R., Zuin M., Berton G., Peruzzo S.: “Surface coatings for arc prevention between plasma facing components”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.90. Patton T., Chitarin G., Pilan N., Aprile D.: “Electrical Design and Voltage Holding Analyses of the MITICA Beam Source Mock-up and its Intermediate Electrostatic Shield”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy
- P.91. Pilan N., Deambrosis S., De Lorenzi A., Cavenago M., Cervaro V., Fincato M., Fontana C., Lotto L., Martines E., Pasqualotto R., Pino F., Rossetto F., Spada E., Spagnolo S., Veltri P., Zuin M.: “Mutual exchange of charged particles in high voltage dc devices insulated by high vacuum”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy – [oral](#)
- P.92. Pilan N., De Lorenzi A., Deambrosis S.M., Fincato M., Fontana C., Gobbo R., Lotto L., Martines E., Pasqualotto R., Patton T., Felix Pino, Spada E., Spagnolo S., Zuin M.: “HVDC insulation between shaped electrodes separated by large vacuum gaps”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy – [oral](#)
- P.93. Spagnolo S., Pilan N., De Lorenzi A., Fontana C., Renato Gobo, Lotto L., Martines E., Pino F., Rossetto F., Spada E., Zuin M.: “Statistical analysis of current and x-rays signals for a vacuum high voltage holding experiment”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy - [oral](#)
- P.94. Cavazzana R., Zuin M., Cordaro L., Peruzzo S.: “Electrode conditioning for prevention of DC arc formation in presence of a cold plasma background”, 8<sup>th</sup> International Workshop on Mechanisms of Vacuum Arcs (MeVArc19) - 16-19 September 2019, Padova, Italy
- P.95. *Croci G., Muraro A., Gorini G., Perelli Cippo E., Tardocchi M., Grosso G., Rigamonti D., Pilan N., Pasqualotto R., McCormack O.: “X-rays spectrum characterization during high voltage conditioning in vacuum insulated system using high rate detectors”, 8<sup>th</sup>*

**10th IAEA Technical Meeting on Steady State Operation of Magnetic Fusion Devices (IAEA-TMSSO 2019), 9–11 September 2019, Hefei, China**

- P.96. Piron C., Garcia J., Goodman T., Agostini M., Fontana M., Giruzzi G., Gobbin M., Karpushov A., Kong M., Merle A., Morales J., Nowak S., Pigatto L., Sauter O., Testa D., Vallar M., Yoshida M., the TCV team and the MST1 team: “Extension of the operating space of steady state regimes on TCV”, 10th IAEA Technical Meeting on Steady State Operation of Magnetic Fusion Devices (IAEA-TMSSO 2019), 9–11 September 2019, Hefei, China LAPD19 Symposium - September 22-26, 2019 | Whitefish, MT
- P.97. Fassina A., Fiorucci D., Giudicotti L., Vincenzi P.: “Performance analysis and application study of a laser enhancement cavity for photo-neutralization of Negative Ion Beams in large fusion experiments”, LAPD19 Symposium - September 22-26, 2019 | Whitefish, MT, to be published in Journal of Instrumentation (JINST)
- P.98. Giudicotti L., Pasqualotto R., Fassina A.: “Design of Thomson scattering diagnostics for the Divertor Tokamak Test (DTT) Facility”, LAPD19 Symposium - September 22-26, 2019 | Whitefish, MT, to be published in Journal of Instrumentation (JINST)
- P.99. Innocente P., Balbinot L., Fiorucci D., Mazzotta C., Tudisco O.: “Dispersion scanning beam medium infra-red interferometry for divertor plasma density measurements in DTT”, to be published in Journal of Instrumentation (JINST)
- P.100. Fiorucci D., Innocente P., Mazzotta C., Terranova D., Tudisco O.: “Design of an interferometer/polarimeter for DTT”, LAPD19 Symposium - September 22-26, 2019 | Whitefish, MT

**14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary**

- P.101. Gaio E., Ferro A., Maistrello A., Dan M., Lunardon F., Barucca L., Ciattaglia S., Federici G., Benfatto I.: “The DEMO Plant Electrical System: issues and perspective”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – O3-3.4 [oral](#)
- P.102. Peruzzo S., Dalla Palma M., Rizzolo A., Rossetto F. and Siragusa M.: “Design and test of the vacuum-tight electrically-insulated crossed joints of the new Vacuum Vessel for the RFX-mod2 experiment”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P3-095
- P.103. Dalla Palma M., Berton G., Canton A., Cavazzana R., Gambetta G., Innocente P., Peruzzo S., Siragusa M., Spagnolo S., Spolaore M.: “Design of the RFX-mod2 first wall”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P1.004
- P.104. Maistrello A., Recchia M., Marconato N., Patton T., Pavei M., Sartori E., Serianni G.: “Voltage Hold Off Test of the Insulating Supports for the Plasma Grid Mask of SPIDER”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P2-061
- P.105. Pavei M., Dal Bello S., Gambetta G., Maistrello A., Marcuzzi D., Sartori E., Serianni G., Cervaro V., Degli Agostini F., Franchin L., Tollin M.: “SPIDER Plasma Grid masking for reducing gas conductance and pressure in the Vacuum Vessel”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P2-071

- P.106. Agostinetti P., Franke T., Fantz U., Hopf C., Mantel N., Tran M.Q.: “RAMI Evaluation of the Beam Source for the DEMO Neutral Beam Injectors”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P2-026
- P.107. Lunardon F., Maistrello A., Spresian I., Gaio E., Piovan P., Ciattaglia S.: “MEST, a new Magnetic Energy Storage and Transfer system: application studies to the European DEMO”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P3-091
- P.108. Hopf C., Starnella G., Harder N., Agostinetti P., Fantz U.: “Residual Ion Energy Recovery for the DEMO NBI – a Conceptual Design Study”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary- P2-047
- P.109. Tobari H., Kashiwagi M., Watanabe K., Maejima T., Yamashita Y., Boldrin M., Zanotto L., Dal Bello S., Toigo V., Simon M., Escudero Gomez G., Paolucci F., Bonicelli T., Decamps H.: “Achievement of DC 1 MV Insulation in High-Voltage Power Supply for ITER Neutral Beam Test Facility”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P2-116
- P.110. Ciattaglia S., Federici G., Barucca L., De Magistris M., Gaio E., Gliss C., Koerber M., Moscato I., Porfiri M.T., Riedl F., Tarallo A.: “EU DEMO Plant and Building Layout Criteria”, 14<sup>th</sup> International Symposium on Fusion Nuclear Technology ISFNT14, 22-27 September 2019, Budapest, Hungary – P3-106

**105° Congresso Nazionale SIF, L'Aquila, 23-27 settembre 2019**

- P.111. De Masi G., Cordaro L., Fassina A., Pimazzoni A., Gareri C., Cavazzana R., Martines E., Zaniol B., Zuin M., Brun P., Mignogna C., Folino P., Tamme L., De Rosa S., Indolfi C. : “Physical properties of an atmospheric plasma jet and its effect on blood coagulation” 105° Congresso Nazionale SIF, L'Aquila, 23-27 settembre 2019
- P.112. Paccagnella R.: “Helicity transport and dynamo sustainment for helical plasma states”, 105° Congresso Nazionale SIF, L'Aquila, 23-27 settembre 2019

**FisMat 2019, September 30- October 4, 2019, Catania, Italy**

- P.113. Veranda M., Bonfiglio D., Cappello S., Chacon L., Escande D.F., Di Giannatale G.: “Helical magnetic self-organization of plasmas in toroidal pinches with transport barrier formation”, FisMat 2019, September 30- October 4, 2019, Catania, Italy - **Invited**

**18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium**

- P.114. Bonfiglio D., Cappello S., Chacon L., Escande D.F., Di Giannatale G., Kryzhanovskyy A., Veranda M., Marrelli L., Zanca P.: “Effect of a refined magnetic boundary on MHD modelling of helical self-organization in the RFP” , 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium
- P.115. Cappello S., Bonfiglio D., Di Giannatale G., Kryzhanovskyy A., Veranda M., Chacón L., Escande. D.F., and the RFX Team: “Recent Developments in the Studies of Plasma Self-Organization in the Reversed-Field Pinch and Impact on Transport Properties”, 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium - **Invited**
- P.116. Murari A. and JET Contributors: “Data Driven Theory to Support Model Formulation and the Design of New Experiments”, 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium
- P.117. Weisen H., Maggi C.F., Menmuir S., Horvath L., Bache T.W., Casson F.J., Oberparleiter M., Saarelma S., Auriemma F., Chankin A., Delabie E., Giroud C., King D., Lorenzini R.,

*Viezzer E., Siren P., Varje J. and JET contributors: "Isotope dependence of energy, momentum and particle confinement in tokamaks", 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium*

*P.118. Macusova E., Ficker O., Markovic T., Gobbin M., Casolari A., Mlynar J., Cerovsky J., Jaulmes Kripner, Decker J., Peysson Y., Papp G., Pokol G., Carnevale D., Farnik M., Havlicek J., Havranek A., Hron M., Naydenkova D., Panek R., Plyusnin V., Tomes M., Urban J., Vondracek P., Weinzett V., COMPASS team and the EUROfusion MST Team: "The impact of resonant magnetic perturbations on runaway electron dynamics", 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium*

*P.119. Kryzhanovskyy A., Bonfiglio D., Zuin M., Cappello S., Veranda M.: "Alfvén waves in nonlinear 3D MHD modelling of RFP plasmas", 18<sup>th</sup> European Fusion Theory Conference EFTC2019, October 7-10, 2019, Ghent, Belgium*

### **61st Annual Meeting of the APS Division of Plasma Physics, October 21-25, 2019 • Fort Lauderdale, Florida**

*P.120. P. Martin, Albanese R., Ambrosino R., Baruzzo M., Bolzonella T., Carlevaro N., Casiraghi I., Crisanti F., Di Gironimo G., Di Zenobio A., Falessi M., Gobbin M., Granucci G., Innocente P., Mantica P., Martone R., Mazzitelli G., Pigatto L., Pironti A., Pizzuto A., Polli G., Ramogida G., Rubino G., Spizzo G., Subba F., Tuccillo A., Valisa M., Vallar M., Vianello N., Villari R., Vincenzi P., Vlad G., Zonca F.: "Present status of the divertor tokamak test facility", 61st Annual Meeting of the APS Division of Plasma Physics, October 21-25, 2019 • Fort Lauderdale, Florida, Bulletin of the American Physical Society, Volume 64, Number 11, 2019*

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### **Third IAEA Technical Meeting on Divertor Concepts, 4-7 November 2019 IAEA Headquarters, Vienna, Austria**

*P.125. Vianello N., Ambrosino R., Innocente P. and DTT Contributors: "Power exhaust studies in the Divertor Tokamak Test facility", Third IAEA Technical Meeting on Divertor Concepts, 4-7 November 2019 IAEA Headquarters, Vienna, Austria*

- P.126. Balbinot L., Rubino G., Innocente P.: “Edge and divertor modelling of JT-60SA ITER-like scenario with carbon wall”, Third IAEA Technical Meeting on Divertor Concepts, 4-7 November 2019 IAEA Headquarters, Vienna, Austria
- P.127. Martin P.: “The Divertor Tokamak Test facility”, Third IAEA Technical Meeting on Divertor Concepts, 4-7 November 2019 IAEA Headquarters, Vienna, Austria
- P.128. Galassi D., Reimerdes H., Theiler C., Wensing M., Bufferand H., Ciraolo G., Innocente P., Marandet Y., Tamain P., Baquero M., Brida D., De Oliveira H., Duval B., Février O., Henderson S., Komm M., Maurizio R., Tsui C. K., the TCV team and the EUROfusionMSTI Team: “Multi-code simulations of the gas baffle effects on TCV Lower Single Null edge plasmas”, Third IAEA Technical Meeting on Divertor Concepts, 4-7 November 2019 IAEA Headquarters, Vienna, Austria
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- P.131. Spolaore M.: “Current carrying Edge Localized Modes fine structure in the Scrape-Off Layer of tokamak discharges”, AAPPS-DPP 2019 - 3rd Asia-Pacific Conference on Plasma Physics, November 17-22, 2019, Hefei, Anhui, China - **Invited**
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- P.134. Auriemma: “TRANSP Predictive Modelling for Exb Studies in Pure D and T H-Mode JET Plasmas” F., APPC 2019 - 14th Asia-Pacific Physics Conference, November 17 – 22 2019, Kuching, Sarawak, Malaysia – **Invited**