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**PERSONAL INFORMATION**

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Name **BATISTONI, PAOLA**  
Address  
Telephone  
E-mail  
  
Nationality **Italian**  
Date of birth  
Place of birth

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**EDUCATION AND TRAINING**

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23.11.1982 *Laurea in Fisica - Florence University (110/110 cum laude).*  
*Thesis title: "Resistive instabilities in astrophysical plasmas".*

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**WORK EXPERIENCE**

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**1.04.2022***Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

*Occupation or position held***Head of Fusion Energy Development Division**

Scientific leadership and management of R&D activities carried out in ENEA for the development of fusion energy, including plasma facing components, neutronics and nuclear data, neutron diagnostics, fuel injection, tritium technologies, safety and socio-economic studies. Coordination of the Italian participation in the Eurofusion Consortium.

**1.7.2018 – 1.07.2021***Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

*Type of business or sector*

Research

*Occupation or position held***Head of Fusion Development Section.**

Development and promotion of ENEA fusion research activities in the framework of European and international projects. Participation in the preparation of the European fusion programme carried out by Eurofusion.

**1.1.2014 – present***Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Department of Fusion and Technology for Nuclear Safety and Security

*Type of business or sector*

Research

*Occupation or position held***Project Leader of JET Deuterium-Tritium Technologies – Work package JET3 of EUROfusion Consortium***Main activities and responsibilities*

Scientific leadership and resource management of the EUROfusion Consortium Work Package on the exploitation of JET Deuterium – Tritium operations. The objective is the development of fusion technologies in the fields of neutronics and activation, test blanket modules, radiation induced damage in materials, development of rad hard detectors, nuclear safety, tritium retention in plasma facing materials. Twelve EU laboratories participate in the activities. The total value of the Work Package is 4.2 M€, of which 61% from EU contribution, plus 0.35M€ through the JET Operation Contract.

**21.07.2008 – 26.09.2012***Name and address of employer*

Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo economico sostenibile, ENEA - Fusion Unit

*Type of business or sector*

Research

*Occupation or position held*

**Italian Industry Liaison Officer for ITER (proposed by the Italian Government and appointed by Fusion for Energy, F4E)**

*Main activities and responsibilities*

Promotion of the Italian Industry participation in the construction of ITER fusion reactor. Wide range of initiatives at national level to provide technical support to industries and to raise awareness regarding business opportunities and ways to get involved in the ITER project. Organization of workshops, information days and seminars to report on the roadmap of the different procurement packages and facilitate partnerships between companies. During this period more than 30 contracts have been awarded to Italian companies for a total value of more than 600 M€.

**3.3.2003 - 14.09.2012***Name and address of employer*

ENEA Fusion Division

*Type of business or sector*

Research

*Occupation or position held*

**Head of Technology Transfer Unit**

*Main activities and responsibilities*

Identification of new funding opportunities for the research activity. Promotion of technology transfer from fusion research activities, outreach and diffusion of innovation, and exploitation of facilities. Promotion of collaboration with industry on technology projects. ITER Industry Liaison Officer for Italy

**14 .4.1994 – 21.12.2002***Name and address of employer*

ENEA Fusion Sector

*Type of business or sector*

Research

*Occupation or position held*

**Head of Fusion Neutronics Division**

*Main activities and responsibilities*

Management and scientific exploitation of the Frascati 14-MeV Neutron Generator (FNG) and of neutron diagnostics on the Frascati Tokamak Upgrade (FTU). Development of neutronics computational tools and neutronics analyses. Design of fusion systems. Principal Investigator of numerous EFDA, F4E and ITER tasks. Co-ordination of several projects and international collaborations.

**9.7. 1984 - 14.4.1994***Name and address of employer*

ENEA Fusion Division

*Type of business or sector*

Research

*Occupation or position held*

**Researcher**

*Main activities and responsibilities*

Measurements and analyses of neutron emission in the Frascati Tokamak (FT), in the Frascati Tokamak Upgrade (FTU) and in JET. Development of innovative neutron detectors. Development of simulation codes to study the confinement of charged fusion products in tokamaks.

**OTHER APPOINTMENTS**

Since 2021

**Representative of the Italian Government in The Governing Board and the Bureau of the European agency Fusion for Energy (F4E)**

Since 2021

**Member of RFX Board of Directors**

2020 - 2021

**Member of the Board of Editors of Nuclear Fusion - IAEA**

March 2018

**Member of the International Committee for the Evaluation of the Energy Programme of the Karlsruhe Institute of Technology - Helmholtz**

	<b>Association (Germany)</b>
<b>2013 - 2020</b>	<b>Italian Expert in the Italian Programme Committee for Horizon 2020 – Euratom - Appointed by Italian Minister for University and Scientific Research</b>
<b>6.10.2014 to 31.12 2018</b>	<b>Member of the Programme Advisory Committee of the UKAEA Culham Centre for Fusion Energy (CCFE), Culham Oxfordshire, UK</b>
<b>22.10.2007 – 12.7.2013</b>	<b>Member of the Technical Advisory Panel (TAP) of Fusion for Energy (F4E), Barcelona, Spain</b>
<b>14.7.2007 - 2017</b>	<b>Professor of Physics of Nuclear Energy, Faculty of Engineering, University of Rome Tor Vergata</b>
<b>2005 - 2020</b>	<b>Editor of <i>Fusion Engineering and Design international scientific journal</i>, Elsevier, Radarweg 29, Amsterdam 1043 NX, The Netherlands</b>
<b>2013 - 2017</b>	<b>EUROfusion representative in the Working Group on Innovation Management and Knowledge/Technology Transfer di EIROForum (partnership CERN, EUROfusion, EMBL, ESA, ESO, ESRF, XFEL, ILL)</b>
<b>22.6.2009 – 31.12.2013</b>	<b>Task Force Leader of JET Fusion Technology</b> European Fusion Development Agreement (EFDA) - JET, Culham Science Centre, Abingdon, UK
<b>Nov. 2002 – Nov. 2013</b>	<b>Leader of the Sub-Task Neutronics under the IEA Implementing Agreement on a Co-operative Programme on the Nuclear Technology of Fusion Reactors</b> OECD International Energy Agency (IEA), Paris (France)
<b>2009 – 2012</b>	<b>Head of Nuclear Data Consortium of European Institutes (ENEA, Karlsruhe Institute of Technology, Nuclear Institute of Husinec-Řež, University of Science and Technology of Vracovia, Jozef Stefan Institute of Ljubljana) for the development and experimental validation of nuclear data for Fusion.</b>
<b>2008 - 2012</b>	<b>Principal Investigator of F4E Grants F4E-2008-GRT-014 e F4E-2010-GRT-056: Nuclear Data Studies/Experiments in Support of Test Blanket Modules and IFMIF Activities</b> , Fusion for Energy, Barcelona, Spain
<b>1994 – 2009</b>	<b>Principal Investigator of ITER tasks:</b> Shielding Neutronics Experiment (1995), Neutron Streaming Experiment (1998), Shutdown Dose Rate experiment (2001); and of EFDA Tasks TTMN-002 (Nuclear Data): Neutronics Experiment on SiC (2001); Neutronics Experiment on W (2002); Neutronics Experiment on a Helium Cooled Pebble Bed Breeder Blanket (2006); Neutronics Experiment on a Helium Cooled Lithium Lead Breeder Blanket (2009).
<b>30.6.2011 – 30.6.2013</b>	<b>Member of the OECD NEA Expert Group of Radiation Transport and Shielding of Working Party on Scientific Issues of Reactor Systems (WPRS) - Nuclear Science Committee</b> OECD Nuclear Energy Agency (NEA), Paris (France)

1994 – 2013	<b>Member of the OECD NEA Working Party on International Nuclear data Evaluation Cooperation - Nuclear Science Committee</b> OECD Nuclear Energy Agency (NEA), Paris (France)
1997 – 2011	<b>Member of advisory groups of the International Atomic Energy Agency (IAEA) for the development and the validation of FENDL (Fusion Evaluated Nuclear Data Library)-</b> International Atomic Energy Agency (IAEA) Wien (Austria)
2008 – 2010	<b>Chief Scientific Investigator del Research Project “Validation of FENDL-3 Library”</b> International Atomic Energy Agency (IAEA) Wien (Austria)
2009	<b>Member of Working Group on DEMO</b> Fusion for Energy (F4E) – Euratom – Fusion Committee (CCE-FU)
11.11.2005 – 2006	<b>ENEA Industry Liaison Officer nel Comitato Fusione Industria (CFI) – Euratom</b>
10.11.2004 – 2005	<b>ENEA Liaison Officer for the organization of the Fusion Road Show at the European Parliament</b>
2002 – 2003	<b>Collaboration contract for the realization of the International Radiation Shielding Experiments Database (SINBAD),</b> OECD Nuclear Energy Agency (NEA), Paris (France)
4.1.1996 – 31.12.1999	<b>Co-ordinator of the Working Area “Neutronics” of ITER Project for the realisation of the international experimental activity aiming at the development of a validated nuclear database for ITER design. – ITER Home Team, Garching (Germany)</b>
25.11.1994 – 31.12.1999	<b>Principal Investigator of ENEA - JET (Task Agreement TA3) on “Neutron Production Related Physics and Associated Diagnostics”</b>
1988 (3 months)	<b>Visiting scientist at the Princeton Plasma Physics Laboratory , Princeton NJ, US Study of the confinement of 1-MeV tritons produced in fusion reactions in TFTR plasmas- Analysis of triton burn up measurements.</b>
1987- 88 (6 months)	<b>Visiting Scientist at the Joint European Torus (JET), Culham, UK Measurements and analysis of the confinement of charged particles produced in fusion reactions in JET plasmas (triton burn up).</b>
<b>OTHER PROFESSIONAL ACTIVITIES AND SERVICE</b>	
2019	Member of the commission for the appointment of the Director of the Institute of Plasma Physics and Technology of CNR - CNR competition n. 364.343
2016-2018	Chair of the Local Organizing Committee del 30 <sup>th</sup> Symposium on Fusion Technology (SOFT2018) – Giardini Naxos (Messina), 16 – 21 September 2018

<b>2018</b>	Member of the International Scientific Committee del 13 <sup>th</sup> Symposium on Neutron and Ion Dosimetry (NEUDOS13)
<b>2017</b>	Evaluator of scientific projects for the Helmholtz Association (Germania)
<b>2017</b>	Evaluator of scientific projects for the Slovenian Research Agency (ARRS)
<b>2013</b>	Member of the commission for the appointment of the Director of the Plasma Physics Institute - <i>Piero Caldirola</i> , CNR, Milano - CNR competition n.364.141
<b>2010 - 2014</b>	Lecturer in Masters - Universities of Roma La Sapienza and Tor Vergata
<b>From 2015</b>	Member of the Scientific Committee of the International Conference on Advancements in Nuclear Instrumentation, Methods and their Application (ANIMMA)
<b>From 2000</b>	Member of the International Program Committee of the International Symposium on Fusion Nuclear Technology (starting from ISFNT-6, 2002)
<b>2006 – 2013 and from 2018</b>	Member of the Editorial Board of the ENEA journal <i>Energia, Ambiente e Innovazione</i>
<b>1996 - 2003</b>	Member and Vice-president (from 1998) of the ENEA Equal Opportunities Committee (CPO)
<b>1997 - 1999</b>	Chairperson of the 5 <sup>th</sup> International Symposium of Fusion Technology (ISFNT-5) Organising Committee organized by ENEA in Roma, 19-24.9.1999
<b>1996 - 2011</b>	Member of selection committees for several ENEA open competitions.
<b>Dal 1989</b>	Referee for Nuclear Fusion, Fusion Engineering and Design, Plasma Physics and Controlled Fusion, Fusion Technology  Guest Editor of the Proceedings of the 5 <sup>th</sup> and of 7 <sup>th</sup> International Symposium on Fusion Nuclear Technology (ISFNT), (2000)
<b>From 1995</b>	Supervisor of research fellows at ENEA
<b>2000</b>	Expert in ENEA Projects Evaluation Committees
<b>2005</b>	Member of the Evaluation Committee of Spin-off Societies from ENEA (2005)

## PUBLICATIONS

### Articles published in peer reviewed scientific journals and proceedings

1. P. Batistoni, G. Einaudi, C. Chiuderi, Resistive instabilities in coronal conditions, *Solar Physics* 97 (1985) ISSN: 0038-0938
2. P. Batistoni, M. Martone, M. Pillon, S. Podda and M. Rapisarda, Measurements of Triton Burnup in low q Discharges in the FT Tokamak, *Nuclear Fusion* 27 (1987) ISSN: 0029-5515
3. M. Pillon, P. Batistoni et al., High resolution 14-MeV neutron spectrometer, *Review of Scientific Instruments* 59 (1988) ISSN: 0034-6748
4. D. Anderson, P. Batistoni, Calculation of Triton confinement and burnup in tokamaks, *Nuclear Fusion* 28 (1988) ISSN: 0029-5515
5. J. Kallne, P. Batistoni, G. Gorini, G. Huxtable, M. Pillon, S. Podda, M. Rapisarda, Triton burnup measurements in JET using a neutron activation technique, *Nuclear Fusion* 28 (1988) ISSN: 0029-5515
6. P. Batistoni, E. Bittoni, M. Haegi, Triton Confinement as inferred from fusion produced neutron measurements in the FT tokamak, *Nuclear Fusion* 29 (1989) ISSN: 0029-5515
7. P. Batistoni, M. Rapisarda, D. Anderson, Measurement and analysis of neutron sawteeth in the Frascati Tokamak, *Nuclear*

Fusion 30 (1990) ISSN: 0029-5515

8. M. Angelone, P. Batistoni et al., Experimental and numerical calibration of the neutron activation system on the FTU tokamak, Review of Scientific Instruments 61 (1990). ISSN: 0034-6748
9. M. Angelone, P. Batistoni et al., Calibration of the neutron yield measurement system on FTU tokamak", Review of Scientific Instruments 61 (1990) ISSN: 0034-6748
10. J.D.Strachan et al., Neutron calibration techniques for comparison of tokamak results, Review of Scientific Instruments 61 (1990) ISSN: 0034-6748
11. M. Angelone, P. Batistoni et al., Calibration of the neutron activation system on the Frascati Tokamak Upgrade: comparison between measured and calculated activation response coefficients, Fusion Technology, 19 (1991) ISSN: 0748-1896
12. P. Batistoni, C.W. Barnes, Computation of Classical Triton Burn up with high Plasma Temperature and Current, Plasma Physics and Controlled Fusion 33 (1991) ISSN: 0741-3335
13. D. Anderson, P. Batistoni, M. Lisak, Influence of Radial Diffusion on Triton Burn up, Nuclear Fusion 31 (1991) ISSN: 0029-5515
14. J. Kallne, P. Batistoni, G. Gorini, On the possibility of neutron spectrometry for determination of fuel ion densities in DT plasmas, Review of Scientific Instruments 62 (1991) ISSN: 0034-6748
15. D. Anderson, P. Batistoni, M. Lisak, Effects of Radial Diffusion on Triton Burn up, Physica Scripta 45 (1992) ISSN: 0031-8949
16. F. Alladio, P. Batistoni, A. Mancuso, Collisionless Alpha Particle Confinement and Loss Distribution in Stellarators as a function of the Aspect Ratio, Fusion Technology 22 (1992). ISSN: 0748-1896
17. P. Batistoni, S. E. Segre, The effect of a Poloidal Field Null on Alpha Particle Orbits in Axisymmetric Tokamaks, Physica Scripta 45 (1992). ISSN: 0031-8949
18. S. Rollet, P. Batistoni, Neutron Transport studies for the Ignitor neutron diagnostics, Review of Scientific Instruments 63 (1992). ISSN: 0034-6748
19. D. Anderson, P. Batistoni, M. Lisak, Fast-ion redistribution at sawtooth crashes as inferred from triton burn-up measurements, Plasma Physics and Controlled Fusion 35 (1993). ISSN: 0741-3335
20. P. Batistoni et al., The stainless steel bulk shielding benchmark experiment at the Frascati Neutron Generator (FNG), Journal of Nuclear Materials, 212-215 (1994). ISSN: 0022-3115
21. S. Rollet, M. Zucchetti, P. Batistoni, Radiation damage calculations for IGNITOR components, Journal of Nuclear Materials, 212-215 (1994). ISSN: 0022-3115
22. P. Batistoni et al., The bulk shielding benchmark experiment at the Frascati Neutron Generator (FNG), Fusion Engineering and Design 28 (1995). ISSN: 0920-3796
23. P. Batistoni, B. Esposito, M. Martone, and S. Mantovani, Design of the Neutron Multicollimator for Frascati tokamak upgrade, Review of Scientific Instruments 66, (1995). ISSN: 0034-6748
24. P. Batistoni, P. Corsaro, S. Rollet, M. Zucchetti, Ignitor neutronics and activation, Fusion Engineering and Design 31 (1996). ISSN: 0920-3796
25. R. Bernabei et al., New limits on WIMP search with large-mass low-radioactivity NaI(Tl) set-up at Gran Sasso, Physics Letters B 389 (1996) ISSN: 0370-2693
26. M. Angelone, M. Pillon, P. Batistoni et al., Absolute Experimental and Numerical Calibration of the 14 MeV Neutron Source at the Frascati Neutron Generator (FNG), Review of Scientific Instruments 67 (1996). ISSN: 0034-6748
27. P. Batistoni, M. Angelone, M. Pillon, V. Rado, Nuclear heating experiment for the validation of the fusion reactor shielding performance, Fusion Engineering and Design 36 (1997). ISSN: 0920-3796
28. M. Angelone, P. Batistoni et al., Measurement of Neutron Dose on Fusion reactor Shield using TLD-300 Phosphors, Radiation Protection Dosimetry 70 (1997). ISSN: 0144-8420
29. L. Bertalot et al., Well type HPGe detectors for neutron activation measurements on FTU, Review of Scientific Instruments 68, (1), January 1997. ISSN: 0034-6748
30. F. B. Marcus, M. Adams, P. Batistoni, et al., A Neutron Camera for ITER, Review of Scientific Instruments 68 (1997) ISSN: 0034-6748
31. V. Rado, P. Batistoni, L. Petrizzi, Analysis of Integral Experiments on Stainless Steel Shields for the Validation of the FENDL Library, Fusion Engineering and Design 37(1997). ISSN: 0920-3796
32. M. Angelone, P. Batistoni et al., Gamma and Neutron Dosimetry Using CaF<sub>2</sub>:Tm TLD Dosimeters for Fusion Reactor Shielding Experiments, Nuclear Science and Engineering 126 (1997) ISSN: 0029-5493
33. U. Fischer et al., International benchmark tests of the FENDL-1 Nuclear Data Library, Fusion Engineering and Design 37 (1997) . ISSN: 0920-3796
34. P. Belli et al., The Dama experiment at Gran Sasso, Physics Reports 307 (1998) ISSN: 0370-1573
35. M. Angelone, P. Batistoni et al., Neutronics Experiment on a mock-up of the ITER shielding system at the Frascati Neutron Generator FNG, Fusion Engineering and Design 42 (1998). ISSN: 0920-3796
36. H. Freiesleben et al., Neutron and Photon Flux Spectra in a mock-up of the ITER shielding system, Fusion Engineering and Design 42 (1998). ISSN: 0920-3796
37. R. Bernabei et al., New limits on particle dark matter search with a liquid Xenon target-scintillator, Physics Letters B 436 (1998) ISSN: 0370-2693
38. L. C. Johnson, C. W. Barnes, P. Batistoni et al., Analysis of neutron cameras for ITER, Review of Scientific Instruments 70 (1999) ISSN: 0034-6748

39. M. Angelone, P. Batistoni et al., Study of TLD-300 as Low Dose Detector and Comparison with standard High Sensitivity TLDs, *Radiation Protection Dosimetry* 85 (1999) ISSN: 0144-8420
40. P. Batistoni et al., Neutronics experiment on a mock-up of the ITER shielding blanket at the Frascati Neutron Generator, *Fusion Engineering and Design* 47 (1999) 2. ISSN: 0920-3796
41. S. Rollet, M. Angelone, P. Batistoni, Absorbed dose calculations for the Ignitor tokamak magnet coils insulator, *Nuclear Instruments and Methods in Physics Research B* 166-167 (2000) ISSN: 0168-583X
42. M. Pillon, M. Angelone, P. Batistoni et al., Benchmark Experiments on fusion neutron induced gamma-ray radioactivity in various structural materials, *Journal of Radioanalytical and Nuclear Chemistry* 244 (2000). ISSN: 0236-5731
43. U. Fischer, P. Batistoni et al., Neutronics and nuclear data : achievements in computational simulations and experiments in support of fusion reactor design, *Fusion Engineering and Design* 51-52 (2000) ISSN: 0920-3796
44. S. Rollet, P. Batistoni, R. Forrest, Activation analysis of the Ignitor tokamak, *Fusion Engineering and Design* 51-52 (2000) ISSN: 0920-3796
45. M. Angelone, P. Batistoni et al., Neutron streaming Experiment at FNG: results and analysis, *Fusion Engineering and Design* 51-52 (2000) ISSN: 0920-3796
46. L. Petrizzi, P. Batistoni, I. Kodeli, Sensitivity and uncertainty analysis performed on a 14-MeV neutron streaming experiment, *Fusion Engineering and Design* 51-52 (2000) ISSN: 0920-3796
47. K. Seidel, M. Angelone, P. Batistoni et al., Investigation of neutron and photon flux spectra in a streaming mock-up for ITER, *Fusion Engineering and Design* 51-52 (2000) ISSN: 0920-3796
48. I. Kodeli, L. Petrizzi, P. Batistoni, Transport, sensitivity and uncertainty analysis of FNG 14 MeV Neutron bulk Shield Experiment, *Journal of Nuclear Science and Technology Supplement* 1 (2000) ISSN: 0022-3131
49. S. Rollet, P. Batistoni, Shielding aspects of a tokamak reaching ignition, *Proc. Workshop on Shielding Aspects of Accelerators, Targets and Irradiation Facilities – SATIF 5*, Paris, 2000. ISBN 10: [9264186913](#)
50. L. Petrizzi, H. Iida, D. Valenza, P. Batistoni, Improvement and Benchmarking of the New Shutdown Dose Estimation Method by Monte Carlo code, *Advanced Monte Carlo for Radiation Physics, Particle Transport Simulation and Applications*, Edited by A. Kling, F. Barão, M. Nakagawa, L. Távora, and P. Vaz., Berlin Heidelberg: Springer-Verlag, 2001., p.865 ISBN 978-3-642-18211-2
51. P. Batistoni et al., Experimental validation of shutdown dose rate calculations inside ITER cryostat, *Fusion Engineering and Design* 58-59 (2001). ISSN: 0920-3796
52. M. Angelone, P. Batistoni, M. Pillon, Effect of encapsulating material on the peak3/peak5 response ratio of TLD-300 irradiated with neutrons of various energy, *Radiation Physics and Chemistry* 61 (2001). ISSN: 0969-806X
53. U. Fischer, P. Batistoni et al., Application of Nuclear Data in Fusion Neutronics, *Journal of Nuclear Science and Technology, Supplement* 2, August 2002, 1118-1123 ISSN: 0022-3131
54. P. Batistoni et al., Benchmark Experiment for the validation of shut down activation and dose calculation in a fusion device", *Journal of Nuclear Science and Technology, Supplement* 2, August 2002, 974 ISSN: 0022-3131
55. R. Bernabei et al., Light response of a pure liquid Xenon scintillator irradiated with 2.5 MeV neutrons, *Eur. Phys. Journal-direct C* 11 (2001) ISSN: 1434-6044
56. M. Angelone, P. Batistoni et al., Benchmark analysis of neutronics performances of a SiC block irradiated with 14 MeV neutrons, *Fusion Engineering and Design* 63-64 (2002) ISSN: 0920-3796
57. P. Batistoni et al., Analysis of dose rate experiment : comparison between FENDL, EFF/EAF and JENDL nuclear data libraries, *Fusion Engineering and Design* 69, (2003) ISSN: 0920-3796
58. Y. Chen et al., Sensitivity and uncertainty analyses of 14 MeV neutron benchmark experiment on Silicon Carbide, *Fusion Engineering and Design* 69, (2003) ISSN: 0920-3796
59. L. Petrizzi, P. Batistoni, M. Pillon, Comprehensive activation calculations of reference materials for long term reactor concepts, *Fusion Engineering and Design* 69 (2003) ISSN: 0920-3796
60. K. Seidel, M. Angelone, P. Batistoni et al., Measurement and analysis of neutron and gamma-ray flux spectra in SiC, *Fusion Engineering and Design* 69 (2003) ISSN: 0920-3796
61. P. Batistoni et al., Neutronics Benchmark Experiment on Tungsten, *Journal of Nuclear Materials* 329 - 333 (2004) ISSN: 0022-3115
62. M. A. Kellett, R. A. Forrest, P. Batistoni, A Brief Overview Of The European Fusion File (EFF) Project, *Nuclear Fusion* 44 (2004) ISSN: 0029-5515
63. P. Batistoni, Ricadute e benefici delle ricerche sulla fusione nucleare, *Energia, Ambiente e Innovazione*, 2/04 (2004)
64. L. Petrizzi, P. Batistoni et al., Benchmarking of Monte Carlo based shutdown dose rate calculations for applications to JET, *Radiation Protection Dosimetry* 115 (2005) ISSN: 0144-8420
65. M. Sasao et al., Overview of neutron and escaping alpha diagnostics planned for ITER, *Plasma Physics and Controlled Fusion* 46 (2004). ISSN: 0741-3335
66. U. Fischer, P. Batistoni et al., EU Blanket Design Activities and Neutronics Support Efforts, *Fusion Science and Technology* 47 (2005) ISSN: 1536-1055
67. K. Ochiai, Y. Velizlov, T. Nishitani, P. Batistoni, K. Seidel, International Benchmark Activity of Tritium Measurement of Blanket Neutronics, *Fusion Science and Technology* 48 (2005) ISSN: 1536-1055
68. P. Batistoni et al., International Comparison of measuring techniques of tritium production for fusion neutronics experiments - Status and Preliminary Results, *Fusion Engineering and Design* 75-79 (2005). ISSN: 0920-3796
69. A.V. Krasilnikov et al., Status of ITER diagnostics development, *Nuclear Fusion* 45 (2005) ISSN: 0029-5515

70. U. Fischer, P. Batistoni, E. Cheng, R. A. Forrest, and T. Nishitani, Nuclear Data for Fusion Energy Technologies: Requests, Status and Development Needs, Proceedings of International Conference on Nuclear Data for Science and Technology, AIP Conference Proceedings 769 edited by R. C. Haight, M. B. Chadwick, T. Kawano, and P. Talou, (2005), 1478 DOI: 10.1063/1.1945241
71. L. Petrizzi, M. Angelone, P. Batistoni et al., Benchmarking of Monte Carlo based shutdown dose rate calculations applied in fusion technology, Fusion Engineering and Design 81 (2006) ISSN: 0920-3796
72. P. Batistoni et al., Neutronics Design and Supporting Experimental Activities in the EU, Fusion Engineering and Design 81 (2006) ISSN: 0920-3796
73. M. Angelone, P. Batistoni et al., Neutronics experiment for the validation of activation properties of DEMO materials using real DT neutron spectrum at JET, Fusion Engineering and Design 81 (2006) ISSN: 0920-3796
74. K. Seidel, M. Angelone, P. Batistoni et al., Fusion Neutronics Experiments, International Workshop on Fast Neutron Detectors and Applications, Proceedings of Science (2006) ISSN 1824-8039
75. U. Fischer, P. Batistoni et al., Neutronics and Nuclear Data for Fusion Technology - Recent Achievements in the EU Programme, Proceedings 21<sup>st</sup> IAEA Fusion Energy Conference (2006) FUSION ENERGY 2006, IAEA, VIENNA, 2007, ISBN 92-0-100907-0, ISSN 1991-2374
76. P. Batistoni et al., Neutronics experiment on a HCPB breeder blanket mock-up, Fusion Engineering and Design, 82 (2007) ISSN: 0920-3796
77. D. Leichtle et al., Sensitivity and uncertainty analysis of the tritium production in the HCPB breeder blanket mock-up experiment, Fusion Engineering and Design 82 (2007) ISSN: 0920-3796
78. K. Seidel, P. Batistoni et al., Measurement and analysis of the neutron and gamma ray flux spectra in a neutronics mock up of the HCPB test blanket module, Fusion Engineering and Design 82 (2007) ISSN: 0920-3796
79. H. Henriksson, P. Batistoni, U. Fischer, R. Forrest, I. Kodeli, C. Nordborg, The EFF project status and the NEA nuclear data services, Fusion Engineering and Design 82 (2007) ISSN: 0920-3796
80. A. Klix, P. Batistoni et al., Measurements of Flux Spectra and Tritium Production Rates in an ITER TBM Mock-up irradiated with 14-MeV neutrons, Fusion Science and Technology 52 (2007) ISSN: 1536-1055
81. M.Z. Youssef, P. Batistoni, L. Petrizzi, T. Wareing, I. M. Davis, Comparing the predictions of the ATTILA code to the experimental data of fusion integral experiments and to results of MCNP code, Fusion Science and Technology, 52 (2007) ISSN: 1536-1055
82. U. Fischer, P. Batistoni, R. Forrest, C. Konno, R.L. Perel, K. Seidel, S.P. Simakov, Development needs of nuclear data for fusion technology, Proc. Int. Conf. Nuclear Data for Science and Technology ( ND2007), CEA (2008)
83. P. Batistoni et al., Validation of FENDL-2.1 nuclear data library for use in ITER nuclear analysis, Proc. Int. Conf. Nuclear Data for Science and Technology (ND2007), CEA (2008) DOI: 10.1051/ndata:07494
84. A. J. Konig et al., The JEFF evaluated nuclear data project, Proc. Int. Conf. Nuclear Data for Science and Technology (ND2007), CEA (2008) DOI: 10.1051/ndata:07494
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