# SOFT 2018

# Tuesday, 18 September 2018

**P2: Poster Session - Pantelleria Hall - Terrace - ATA Hotel Naxos Beach Resort (11:00 - 13:00)**

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| **[732] P2.161 Tritium Removal system for the Experimental Pilot Plant for D-T separation located at Rm. Valcea** | ANA, George | |
| **[643] P2.071 Quantitative Deuterium detection by laser-induced-breakdown-spectroscopy in ITER relevant samples** | ALMAVIVA, Salvatore | |
| **[660] P2.088 Influence of the flow imbalance among the cooling channel on the magnet performance** | LEE, Hyunjung | |
| **[736] P2.165 On the effect of stiffening plates configuration on the DEMO Water Cooled Lithium Lead Breeding Blanket module thermo-mechanical behaviour** | DI MAIO, Pietro Alessandro | |
| **[649] P2.077 TF Coil Inter-Layer Joint for EUROfusion DEMO Tokamak** | Dr STEPANOV, Boris | |
| **[745] P2.174 Systems Engineering approach in support to the breeding blanket design** | SPAGNUOLO, Gandolfo Alessandro | |
| **[768] P2.197 Spinel-nitride based radiation tolerant optical materials** | FELDBACH, Eduard | |
| **[764] P2.193 Synthesis densification and mechanical properties of nanometric tungsten for fusion applications** | GROSMAN, André | |
| **[714] P2.143 The welding deformation control of large complex heavy-load vacuum Vessel port hub** | ZHU, Lin | |
| **[718] P2.147 Key Technology Research of Electron Beam Welding in CFETR Vacuum Vessel Collar** | LIU, Zhihong | |
| **[753] P2.182 Scope of modification of the TRINITI site fuel cycle complex for the IGNITOR project tasks** | ROZENKEVICH, Mikhail | |
| **[756] P2.185 Nuclear analysis of the HCLL “advanced-plus” breeding blanket with single module segment structure** | Dr AIELLO, Giacomo | |
| **[594] P2.020 Maximum Likelihood Tomographic Method for the Analysis of Bolometric Measurements on JET** | Dr PELUSO, Emmanuelle | |
| **[731] P2.160 The DEMO Helium Cooled Lithium Lead “Advanced-Plus” Breeding Blanket: design improvement and FEM studies** | BOULLON, Rémi | |
| **[742] P2.171 On the effects of the Double-Walled Tubes lay-out on the DEMO WCLL breeding blanket module thermal behaviour** | FORTE, Ruggero | |
| **[711] P2.140 Upgraded concepts and design of an in vessel inspection system for fusion reactors** | NERI, CARLO | |
| **[809] P2.238 Experiment study of spectrum of air bubble flash lamp** | LIU, Guanyu | |
| **[574] P2.001 Modelling and experimental validation of RFX-mod tokamak shaped discharges** | ABATE, Domenico | |
| **[629] P2.057 Tracking of neoclassical tearing modes in TCV using the electron cyclotron emission diagnostics in quasi-in-line configuration** | RISPOLI, Natale | |
| **[576] P2.003 Final design of the JT-60SA pellet launching system for simultaneous density and ELM control** | LANG, Peter | |

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| **[596] P2.023 Conceptual study of an ICRH system for T-15MD using Traveling Wave Antenna (TWA) sections** | ONGENA, Jozef | |
| **[598] P2.025 Preliminary conceptual design of the DTT EC heating system** | GARAVAGLIA, Saul | |
| **[578] P2.005 Development of reactor relevant pellet launching system technology on ASDEX Upgrade** | PLOECKL, Bernhard | |
| **[579] P2.006 Passive control of runaway electron displacement by magnetic energy transfer in J-TEXT** | CAI, Nianheng | |
| **[591] P2.018 Wideband polarizers switches and waveguide for Electron Cyclotron transmission lines** | ANDERSON, James | |
| **[575] P2.002 W7-X NBI beam dump thermocouple measurements as safety interlock** | VAN EETEN, Paul | |
| **[586] P2.013 Ion Cyclotron Frequency Range Cold Magnetized Plasma Modelling in ANSYS HFSS** | HILLAIRET, Julien | |
| **[593] P2.021 Safety Systems in the ITER Neutral Beam Test Facility** | BATTISTELLA, Manuela | |
| **[587] P2.014 Design and mock-up tests of the RING photoneutralizer concept for an efficient DEMO NBI** | VINCENZI, Pietro | |
| **[588] P2.015 A low power testbed for the WEST ICRF launchers and for the acceleration of their commissioning on plasma** | HELOU, Walid | |
| **[580] P2.007 Status and tasks for modernization of TRINITI site infrastructure for the Ignitor project** | Dr SUBBOTIN, Mikhail | |
| **[581] P2.008 West Operation management Software Suite (WOSS): software assisting organization and follow-up of West operation** | CORBEL, Elodie | |
| **[577] P2.004 Three-dimensional disruption vertical stability and breakdown analysis of the Italian DTT device** | VILLONE, Fabio | |
| **[583] P2.010 REMAINING USEFUL LIFE ESTIMATION OF CRITICAL DIII-D SUBSYSTEMS** | DRAKE, Joel | |
| **[582] P2.009 Design and implementation of quasi-optical components for the upgrade of the TCV EC-system** | MORO, Alessandro | |
| **[584] P2.011 A conceptual system design study for an NBI beamline for the European DEMO** | HOPF, Christian | |
| **[585] P2.012 Long-Pulse High-Power 170 GHz Absorbing Matched Load Tests and Developments** | BIN, William | |
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| **[599] P2.026 Advanced NBI beam characterisation capabilities at the recently improved test facility BATMAN Upgrade** | FANTZ, Ursel | |
| **[600] P2.027 Equatorial electron cyclotron port plug neutronic analyses for the EU DEMO** | ČUFAR, Aljaž | |
| **[601] P2.028 Mechanical design of the high powered helicon antenna and strip line feed in the DIII-D tokamak*** | FISHLER, Benjamin | |
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| **[610] P2.038 Concepts of the new ASDEX-Upgrade flight simulator** | Dr TREUTTERER, Wolfgang | |
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| **[614] P2.042 Development of the new timing system for the ISTTOK Tokamak** | CARVALHO, Bernardo | |
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| **[624] P2.051 Hydrogen isotope ratios measurements by Penning gauge spectroscopy of molecular Fulcher-α band** | SERGIENKO, Gennady | |
| **[617] P2.045 Upgrade of Thomson scattering system on VEST** | Dr KIM, Doyeon | |
| **[618] P2.046 Flexible vacuum vessel bolometer camera design in ITER to adapt to the final position of the gaps between blanket modules** | PATAKI, Adam | |
| **[622] P2.050 Testing of the optical chain mock up of H-alpha and Visible Spectroscopy for ITER** | GORSHKOV, Alexey | |
| **[623] P2.051 Development of Thomson scattering system for VEST** | Dr KIM, Young-Gi | |
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| **[592] P2.019 Experimental experience and improvement of NIO1 negative ion sources.** | CAVENAGO, Marco | |
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| **[634] P2.062 Validation of neutron generator emission rate estimated based on activation measurements during in-vessel calibration of JET neutron detectors** | Dr LASZYNSKA, Ewa | |
| **[635] P2.063 Constraints on conceptual design of diagnostics for the high magnetic field COMPASS-U tokamak with hot walls** | Dr WEINZETTL, Vladimir | |
| **[648] P2.076 Electrical performance characterization of helium inlet of the ITER PF6 coil double pancakes** | XIE, Yanyu | |
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| **[639] P2.067 A clustering algorithm for scintillator signals applied to neutron and gamma patterns identification.** | POLLASTRONE, Fabio | |
| **[644] P2.072 Thermo-mechanical analysis of unidirectional carbon-carbon composite for thermal imaging diagnostic of a particle beam** | Dr PIMAZZONI, Antonio | |
| **[645] P2.073 Study on the effects of the Signal to Noise ratio on the error in counting of the ITER Radial Neutron Camera (RNC)** | RIVA, Marco | |
| **[646] P2.074 Performance estimations for the ITER bolometer diagnostic** | MEISTER, Hans | |
| **[647] P2.075 Qualification of superconducting joint for pf6 coil** | Dr HU, Bing | |
| **[654] P2.082 Test of the Insulation Mock-up's for the ITER PF6 Coil** | WU, Huan | |
| **[659] P2.087 Final design and structural analysis of ITER PF5 & 6 coil assembly tools** | HA, Min-Su | |
| **[656] P2.084 The analysis and design on transient DC over-voltage protection of ITER PF AC/DC. converter** | Dr HUANG, Liansheng | |

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| **[663] P2.091 Design of acceleration grid power supply for CFETR negative-ion-based neutral beam injection prototype** | ZHANG, Xueliang | |
| **[664] P2.092 FPGA-based interlock system for the chopper of the Linear IFMIF prototype accelerator injector** | BARRERA, Eduardo<br>Dr ASTRAIN, Miguel | |
| **[665] P2.093 Models for the power grid load at JET** | Dr BELONOHY, Eva | |
| **[668] P2.096 Receiving Inspection and Tests (RIT) of ITER Poloidal Field #4 Cryostat Feedtrough in MIFI.** | VILLECROZE, Frederic | |
| **[669] P2.097 Prediction of mechanical behavior of the KSTAR CS magnet based on PF coil currents** | AHN, Hee-Jae | |
| **[670] P2.098 Protection system for Wendelstein 7-X superconducting magnets** | RISSE, Konrad | |
| **[671] P2.099 ITER magnet coil power conversion building construction and AC/DC converter installation** | TAN, Hao | |
| **[673] P2.101 Busbar Monitoring System of the ITER DC Busbars** | Dr LEONTEVA, Anastasiia | |
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| **[679] P2.107 Cleaning of the surface of beryllium armor tiles and beryllium products from beryllium-content particles** | Dr GINIIATULIN, Radmir | |
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| **[611] P2.039 Design of MITICA control and interlock systems** | POMARO, Nicola | |
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| **[619] P2.047 JET FIR Interferometer laser operation and interlock system upgrade to an open automation system** | BOBOC, Alexandru | |
| **[621] P2.049 A comparative study of different deconvolution methods used for reconstruction of neutron spectrum** | MIKSZUTA, Katarzyna | |
| **[779] P2.208 Microstructure and mechanical property mapping of CuCrZr with complex and non-uniform thermal history** | SCHOOFS, Frank | |
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| **[794] P2.223 Validation and sensitivity of CFETR design in EU systems codes** | MORRIS, James | |
| **[683] P2.111 Thermal electromagnetic and structural analysis of gas baffles for the TCV divertor upgrade** | VACCARO, Dario | |

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| **[703] P2.132 A Stereoscopic Eye-in-Hand Vision System for Remote Handling in ITER** | NIU, Longchuan | |
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| **[708] P2.137 Development of welding scheme for ITER Divertor Dome** | LAPIN, Aleksandr | |
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| **[716] P2.145 Use of dimensional variation models for the PS2 Upper Subassembly of the ITER Vacuum Vessel** | ZARZALEJOS, José María | |
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