

Provisional Programme for the 21st Fusion Energy Conference (Oral Sessions)

| Day Date | Sunday 15 October | Monday 16 October 2006 | Tuesday 17 October 2006 | Wednesday 18 October 2006 | Thursday 19 October 2006 | Friday 20 October 2006 | Saturday 21 October 2006 |
|------------------|--|--|--|---|---|---|---|
| 08:30 - 10:15 | | WELCOME Fusion Pioneers Memorial Session FPM | Overview Magnetic Fusion OV/2 | Overview Magnetic Fusion OV/4 | Overview Inertial Inertial Fusion OV/6, IF/1 | New Machines FT/2 | ITER Systems IT/2 |
| Coffee Break | | | | | | | |
| 10:45 - 12:30 | IFRC Meeting | Overview Magnetic Fusion OV/1 | Overview Magnetic Fusion OV/3 | Overview Inertial Fusion Reactors and OV/5 | NTM/Disruptions EX/4 | MHD Stability EX/7 | ITER Post Deadline IT/2, PD |
| Lunch | | | | | | | |
| 14:00 - 16:10 | IFRC Meeting | Advanced Scenarios EX/1 | Fluctuations TH/1, EX/2 | Plasma Wall Interaction EX/3 | 3D Effects on Transport EX/5 | Particle and Energy Transport EX/8 | NF Ceremony SUMMARY S/1 |
| Coffee Break | | | | | | | |
| 16:40 - 18:45 | IFRC Meeting Registration (16:30 - 19:30) | ITER IT/1 | Transport Theory TH/2 | Fusion Technology FT/1 | Energetic Particles EX/6, TH/3 | ELMs EX/9, TH/4 | SUMMARY S/1(cont.) CLOSING |
| Break | | | | | | | |
| | | Reception (20:00) | ITER Evening Session IT/E | Banquet | | | |

Provisional Programme for the 21st Fusion Energy Conference (Poster Sessions)

| Day Date | Sunday 15 October 2006 | Monday 16 October 2006 | Tuesday 17 October 2006 | Wednesday 18 October 2006 | Thursday 19 October 2006 | Friday 20 October 2006 | Saturday 21 October 2006 |
|---------------|---------------------------|-----------------------------|--|---|--|---|---------------------------------------|
| 08:30 - 10:15 | | | OV/P Overview (all)* | P2 Transport Theory SE ITER 2 | P4 Plasma Wall Interaction Fluctuations and Experiments on Transport | P6, PD Energetic Particles Current Drive and Waves Edge Theory Post Deadline | P8 ELMs MHD Experiments |
| Coffee Break | | | | | | | |
| 10:45 - 12:30 | IFRC | | OV/P Overview (all)* | P2 Transport Theory SE ITER 2 | P4 Plasma Wall Interaction Fluctuations and Experiments on Transport | P6, PD Energetic Particles Current Drive and Waves Edge Theory Post Deadline | P8 ELMs MHD Experiments |
| Lunch | | | | | | | |
| 14:00 - 16:10 | IFRC | OV/P Overview (all)* | P1 Advanced Scenarios ITER 1 | P3 MHD Theory Particle and Energy Transport | P5 Fusion Technology 1 Inertial Fusion | P7 Fusion Technology 2 3D Effects on Transport Alternative Confinement Concepts Innovative Concepts | |
| Coffee Break | | | | | | | |
| 16:40 - 18:45 | IFRC Registration | OV/P Overview (all)* | P1 Advanced Scenarios ITER 1 | P3 MHD Theory Particle and Energy Transport | P5 Fusion Technology 1 Inertial Fusion | P7 Fusion Technology 2 3D Effects on Transport Alternative Confinement Concepts Innovative Concepts | |
| Break | | | | | | | |
| | | 20:00 Reception | 20:00 ITER Evening | Banquet | | | |

*Overview posters must be displayed during the whole week up to Friday

Provisional Programme for the 21st Fusion Energy Conference

16-Oct-06

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| <p><i>Welcome & Fusion Pioneers Memorial</i> 08:30 - 10:15</p> | |
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Coffee Break

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|--|--------|-------------|--------------------------|--|
| <p><i>OV/1 - Overview Magnetic Fusion</i> 10:45 - 12:30 4x25'</p> | OV/1-1 | Wan, Yuanxi | China, People's Rep. | Overview progress and future plan of EAST Project |
| | OV/1-2 | Takenaga, H | Japan | Overview of JT-60U Results for Development of Steady-State Advanced Tokamak Scenario |
| | OV/1-3 | Watkins, ML | European Commission (EC) | Overview of JET Results |
| | OV/1-4 | Wade, MR | United States of America | Development in the DIII-D Tokamak of Advanced Operating Scenarios and Associated Control Techniques for ITER |

Lunch Break

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|--|-----------------|----------------|--------------------------|--|
| <p><i>EX/1 - Advanced Scenarios</i> 14:00 - 16:10 6x20'</p> | EX/1-1 | Sips, ACC | Germany | The performance of improved H-modes at ASDEX Upgrade and projection to ITER |
| | EX/1-2 | Greenfield, CM | United States of America | Progress Toward High Performance Steady-State Operation in DIII-D |
| | EX/1-3 | Oyama, N | Japan | Improved Performance in Long-pulse ELMy H-mode Plasmas with Internal Transport Barrier in JT-60U |
| | EX/1-4 | Takase, Y | Japan | Evolution of Bootstrap-Sustained Discharge in JT-60U |
| | EX/1-5 (theory) | Chu, MS | United States of America | Maintaining the Quasi-Steady State Central Current Density Profile in Hybrid Discharges |
| | EX/1-6 | Joffrin, EH | France | Physics and operational integrated controls for steady state scenario |

Coffee Break

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|--|--------|----------------|--------------------------|--|
| <p><i>IT/1 - ITER</i> 16:40 - 18:45 6x20'</p> | IT/1-1 | Holtkamp, N | ITER | The Engineering Challenges of ITER |
| | IT/1-2 | Stambaugh, RD | United States of America | Review of ITER Physics Issues and Possible Approaches to Their Solution |
| | IT/1-3 | Kamada, Y | Japan | Edge pedestal physics and its implications for ITER |
| | IT/1-4 | Lipschultz, B | United States of America | Plasma-surface interaction, scrape-off layer and divertor physics: Implications for ITER |
| | IT/1-5 | Costley, AE | ITER | The design and implementation of diagnostic systems on ITER |
| | IT/1-6 | Gasparotto, MG | Germany | EUROPEAN Contribution to the Design and R&D Activities in View of the Start of the ITER Construction Phase |

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17-Oct-06

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|---|--------|--------------|--|---|
| <i>OV/2 - Overview Magnetic Fusion</i> 08:30 - 10:15 4x25' | OV/2-1 | Motojima, O | Japan | Extended Steady-State and High-Beta Regimes of Net-Current Free Heliotron Plasmas in the Large Helical Device |
| | OV/2-2 | Gruber, Otto | Germany | Overview of ASDEX Upgrade Results |
| | OV/2-3 | Lloyd, B | United Kingdom of Great Britain and Northern Ireland | Overview of Physics Results from MAST |
| | OV/2-4 | Menard, JE | United States of America | Recent Physics Results from the National Spherical Torus Experiment |

Coffee Break

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|---|--------|--------------|--------------------------|---|
| <i>OV/3 - Overview Magnetic Fusion</i> 10:45 - 12:30 4x25' | OV/3-1 | Chatelier, M | France | Integration of High Power, Long Pulse Operation in Tore Supra in Preparation for ITER |
| | OV/3-2 | Scott, SDS | United States of America | Overview of Alcator C-Mod Research Program |
| | OV/3-3 | Fasoli, AF | Switzerland | Overview of TCV Results |
| | OV/3-4 | Romanelli, F | Italy | Overview of the FTU results |

Lunch Break

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|--|--------|--------------|--------------------------|--|
| <i>TH/1 EX/2 - Fluctuations</i> 6x20' | TH/1-1 | Scott, BD | Germany | Studies of the Tokamak Edge with Self Consistent Turbulence, Equilibrium, and Flows |
| | TH/1-2 | Staebler, GM | United States of America | A Comprehensive Theory-Based Transport Model |
| | TH/1-3 | Ernst, DR | United States of America | Identification of TEM Turbulence through Direct Comparison of Nonlinear Gyrokinetic Simulations with Phase Contrast Imaging Density Fluctuation Measurements |
| | EX/2-1 | Conway, GD | Germany | Study of Turbulence and Radial Electric Field Transitions in ASDEX Upgrade using Doppler Reflectometry |
| | EX/2-2 | Hoshino, K | Japan | Measurement and analysis of the fluctuations and poloidal flow on JFT-2M tokamak |
| | EX/2-3 | Mckee, GR | United States of America | Characterization of Zonal Flows and Their Dynamics in the DIII-D Tokamak, Laboratory Plasmas, and Simulation |

Coffee Break

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|---|----------|------------------|--------------------------|--|
| <i>TH/2 - Transport Theory</i> 16:40 - 18:45 6x20' | TH/2-1 | Candy, J | United States of America | Coupled ITG/TEM-ETG Gyrokinetic Simulations |
| | TH/2-2 | Garbet, X | France | Beyond scale separation in gyrokinetic turbulence |
| | TH/2-3 | Li, Jiquan | China, People's Rep. | Simulations on the nonlinear mode coupling in multiple-scale drift-type turbulence with coherent flow structures |
| | TH/2-4 | Diamond, PH | United States of America | Progress in Understanding Multi-Scale Dynamics of Drift Wave Turbulence |
| | TH/2-5 | Singh, R | India | Linear and nonlinear aspects of edge turbulence and transport in tokamaks |
| | TH/2-6Ra | <u>Hahm, TS</u> | United States of America | Gyrokinetic Studies of Nonlocal Properties of Turbulence-driven and Neoclassical Transport |
| | TH/2-6Rb | To rapp. Lee, WW | United States of America | Long Time Simulations of Microturbulence in Fusion Plasmas |

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18-Oct-06

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|---|--------|---------------|----------------------|---|
| <i>OV/4 - Overview Magnetic Fusion</i> 08:30 - 10:15 4x25' | OV/4-1 | Yang, Qingwei | China, People's Rep. | Overview of HL-2A Experiment Results |
| | OV/4-2 | Sanchez, J | Spain | Overview of TJ-II experiments |
| | OV/4-3 | Kislov, DA | Russian Federation | Overview of T-10 Results |
| | OV/4-4 | Fujisawa, A | Japan | Experimental Progress on Zonal Flow Physics in Toroidal Plasmas |

Coffee Break

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|---|--------|--------------|--------------------------|--|
| <i>OV/5 - Overview Inertial Fusion reactors and Technology</i> 10:45 - 12:30 4x25' | OV/5-1 | Mima, K | Japan | Recent Progress on FIREX Project and Related Fusion Researches at ILE, Osaka |
| | OV/5-2 | Sangster, TC | United States of America | Overview of Inertial Fusion Research in the United States |
| | OV/5-3 | Chen, L | United States of America | Theory of Alfvén waves and energetic particle physics in burning plasmas |
| | OV/5-4 | Baluc, NL | Switzerland | Status of R&D Activities on Materials for Fusion Power Reactors |

Lunch Break

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|--|-----------------|---------------------|--|---|
| <i>EX/3 - Plasma Wall Interaction</i> 14:00 - 16:10 6x20' | EX/3-1 | Pitts, RA | Switzerland | ELM transport in the JET scrape-off layer |
| | EX/3-2 | Miyazawa, J | Japan | Density Regime of Complete Detachment and Operational Density Limit in LHD |
| | EX/3-3Ra | <u>Dux, R</u> | Germany | Tungsten as first Wall Material in ASDEX Upgrade |
| | EX/3-3Rb | To rapp. Schmid, KS | Germany | The Implications of High-Z First Wall Materials on Noble Gas Wall Recycling |
| | EX/3-4 | Marmar, ES | United States of America | Operation of Alcator C-Mod with High-Z Plasma Facing Components with and without Boronization |
| | EX/3-5 | Kirschner, A | Germany | Material erosion and redeposition during the JET MkIIGB-SRP divertor campaign |
| EX/3-6 | Loarer, Thierry | France | Gas Balance and Fuel Retention in Fusion Devices | |

Coffee Break

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|--|-------------|--------------------------|---|---|
| <i>FT/1 - Fusion Technology</i> 16:40 - 18:45 6x20' | FT/1-1 | Campbell, DJ | European Commission (EC) | Critical Physics Issues for Tokamak Power Plants |
| | FT/1-2 | Maisonnier, DM | European Commission (EC) | Power Plant Conceptual Studies in Europe |
| | FT/1-3 | Matsui, H | Japan | Next Phase Activity of the International Fusion Materials Irradiation Facility under a New Framework |
| | FT/1-4Ra | <u>Petersen, C</u> | Germany | Mechanical Properties of Reduced Activation Ferritic/Martensitic Steels after European Reactor Irradiations |
| | FT/1-4Rb | To rapp. Tanigawa, H | Japan | Status and Key Issues of Reduced Activation Martensitic Steels as the Structural Materials of ITER Test Blanket Module and Beyond |
| | FT/1-5 | Durocher, Alain | France | Advanced Qualification Methodology for Actively Cooled High Heat Flux Plasma Facing Components |
| FT/1-6 | Wukitch, SJ | United States of America | Alcator C-Mod Ion Cyclotron Antenna Performance | |

Provisional Programme for the 21st Fusion Energy Conference

19-Oct-06

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|---|----------|----------------------|--------------------------|--|
| <i>OV/6 IF/1 - Inertial Fusion</i> 08:30 - 10:15 1x25' 3x20' | OV/6-1 | Zhang, WY (25) | China, People's Rep. | Status of Inertial Fusion Energy Program in China |
| | IF/1-1 | Azechi, H | Japan | Compression and Fast Heating of Liquid Deuterium Targets in FIREX Program |
| | IF/1-2Ra | <u>Mackinnon, AJ</u> | United States of America | Studies of electron and proton isochoric heating for fast ignition |
| | IF/1-2Rb | To rapp. Kodama, R | Japan | Plasma Photonic Devices for Fast Ignition Concept in Laser Fusion Research |
| | IF/1-2Rc | To rapp. Tanaka, K | Japan | Relativistic Electron Generation and Its Behaviors Relevant to Fast Ignition |
| | IF/1-3 | Grabovski, EV | Russian Federation | Radiating Z-pinch Investigation and "BAIKAL" Project for ICF |

Coffee Break

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|--|----------------------|-----------------------|---|--|
| <i>EX/4 - NTM/Disruptions</i> 10:45 - 12:30 5x20' | EX/4-1Ra | <u>Isavama, A</u> | Japan | Active Control of Neoclassical Tearing Modes toward Stationary High-Beta Plasmas in JT-60U |
| | EX/4-1Rb | To rapp. Zohm, H | Germany | Control of MHD Instabilities by ECCD: ASDEX Upgrade Results and Implications for ITER |
| | EX/4-2 | Prater, R | United States of America | Prevention of the 2/1 Neoclassical Tearing Mode in DIII-D |
| | EX/4-3 | Granetz, RS | United States of America | Gas Jet Disruption Mitigation Studies on Alcator C-Mod and DIII-D |
| | EX/4-4 (theory) | Morozov, DKh | Russian Federation | Influence of plasma opacity on current decay after disruptions in tokamaks |
| | EX/4-5Ra | <u>Khimchenko, LN</u> | Russian Federation | Study of erosion products in experiments simulating ELMs and disruptions in ITER on plasma gun QSPA-facility |
| | EX/4-5Rb | To rapp. Linke, J | Germany | Material Damage Characterisation of Divertor Targets Exposed to ITER-Relevant Type I ELM and Disruption Transient Loads |
| | EX/4-5Rc | To rapp. Bazylev, BN | Germany | Modelling of Material Damage of CFC and W Macro-Brush Divertor Targets under ELMs and Disruptions at Plasma Gun Facilities and Prediction for ITER |
| EX/4-5Rd | To rapp. Landman, IS | Germany | Modelling of ITER Edge Plasma Dynamics Following Type I ELMs and Consequences for Tokamak Operation | |

Lunch Break

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|--|-----------------|------------------------|--------------------------|---|
| <i>EX/5 - 3D Effects on Transport</i> 14:00 - 16:10 6x20' | EX/5-1 | Urano, H | Japan | Enhanced H-mode pedestal and energy confinement by reduction of toroidal field ripple in JT-60U |
| | EX/5-2 | Canik, JM | United States of America | Reduction of Neoclassical Transport and Observation of a Fast Electron Driven Instability with Quasisymmetry in HSX |
| | EX/5-3 | Yokoyama, M | Japan | Core Electron-Root Confinement (CERC) in Helical Plasmas |
| | EX/5-4 (theory) | Watanabe, T-H | Japan | Gyrokinetic Theory and Simulation of Zonal Flows and Turbulence in Helical Systems |
| | EX/5-5Ra | <u>Sano, Fumimichi</u> | Japan | Configuration Control Studies of Heliotron J |
| | EX/5-5Rb | To rapp. Okamura, S | Japan | Progress of Confinement Physics Study in Compact Helical System |
| | EX/5-6 | Tamura, N | Japan | Impact of Nonlocal Electron Heat Transport on the High Temperature Plasmas of LHD |

Coffee Break

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|---|--------|---------------|--------------------------|--|
| <i>EX/6 TH/3 - Energetic Particles</i> 16:40 - 18:45 6x20' | EX/6-1 | Günter, S | Germany | Fast Particle Physics on ASDEX Upgrade |
| | EX/6-2 | Ishikawa, M | Japan | Confinement Degradation of Energetic Ions due to Alfvén Eigenmodes in JT-60U Negative-Ion-Based Neutral Beam Injection Plasmas |
| | EX/6-3 | Heidbrink, WW | United States of America | Alfvén Instabilities in DIII-D: Fluctuation Profiles, Thermal-Ion Excitation, and Fast-Ion Transport |
| | TH/3-1 | Berk, HL | United States of America | Interpretation of Mode Frequency Sweeping in JET and NSTX |
| | TH/3-2 | Zonca, F | Italy | Electron fishbones: theory and experimental evidence |
| | EX/6-4 | Suzuki, T | Japan | Off-axis Current Drive and Current Profile Control in JT-60U |

Provisional Programme for the 21st Fusion Energy Conference

20-Oct-06

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|---|--------|-------------|--------------------------|--|
| <i>FT/2 - New Machines</i> 08:30 - 10:15 5x20' | FT/2-1 | Saxena, YC | India | SST-1 Commissioning and First Plasma Results |
| | FT/2-2 | Yang, HL | Korea, Republic of | KSTAR Assembly |
| | FT/2-3 | Haange, R | Germany | Experience gained during fabrication and construction of Wendelstein 7-X |
| | FT/2-4 | Neilson, GH | United States of America | Progress in the Construction of NCSX |
| | FT/2-5 | Kikuchi, M | Japan | Overview of Modification of JT-60U for the Satellite Tokamak Program |

Coffee Break

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|--|-------------------|---------------------|--|---|
| <i>EX/7 - MHD Stability</i> 10:45 - 12:30 5x20' | EX/7-1Ra | <u>Garofalo, AM</u> | United States of America | Active Control of Resistive Wall Modes in High Beta, Low Rotation DIII-D Plasmas |
| | EX/7-1Rb | To rapp. Takechi, M | Japan | Plasma Rotation and Wall effects on Resistive Wall Mode in JT-60U |
| | EX/7-2Ra | <u>Pinches, SD</u> | United Kingdom of Great Britain and Northern Ireland | MHD Studies in MAST |
| | EX/7-2Rb | To rapp. Sontag, AC | United States of America | Investigation of Resistive Wall Mode Stabilization Physics in High Beta Plasmas Using Applied Non-axisymmetric Fields in NSTX |
| | EX/7-3 | Martini, S | Italy | Overview of RFX-mod results with active MHD control |
| | EX/7-4Ra (theory) | <u>Porcelli, F</u> | Italy | Integrated modelling of sawtooth oscillations in tokamak plasmas |
| | EX/7-4Rb | To rapp. Fu, GY | United States of America | Nonlinear Simulations of Fishbone Instability and Sawteeth in Tokamaks and Spherical Torus |
| | EX/7-5 | Sakakibara, S | Japan | Stability in High-Beta Plasmas of LHD |

Lunch Break

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|--|-------------------|---------------------|--|---|
| <i>EX/8 - Particle and Energy Transport</i> 14:00 - 16:10 6x20' | EX/8-1 | Ohyabu, N | Japan | Super Dense Core Plasma due to Internal Diffusion Barrier in LHD |
| | EX/8-2 | Den Hartog, DJ | United States of America | Overview of Results in the MST Reversed-Field Pinch Experiment |
| | EX/8-3 | Giroud, C | United Kingdom of Great Britain and Northern Ireland | Progress in understanding anomalous impurity transport at JET |
| | EX/8-4 | Weisen, H | Switzerland | Peaked Density Profiles in Low Collisionality H-modes in JET, ASDEX Upgrade and TCV |
| | EX/8-5Ra (theory) | <u>Jenko, F</u> | Germany | Microturbulence in Magnetic Fusion Devices: New Insights from Gyrokinetic Simulation and Theory |
| | EX/8-5Rb | To rapp. Angioni, C | Germany | Theoretical Understanding of Core Transport Phenomena in ASDEX Upgrade |
| | EX/8-6 | Kaye, SM | United States of America | Confinement and Local Transport in the National Spherical Torus Experiment (NSTX) |

Coffee Break

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|--|----------|---------------------|--|--|
| <i>EX/9 TH/4 - ELMs</i> 16:40 - 18:45 6x20' | EX/9-1 | Kirk, A | United Kingdom of Great Britain and Northern Ireland | Evolution of the pedestal on MAST and the implications for ELM power loadings |
| | EX/9-2 | Asakura, N | Japan | ELM Propagation and Fluctuations Characteristics in H- and L-mode SOL Plasmas on JT-60U |
| | TH/4-1Ra | <u>Snyder, PB</u> | United States of America | Stability and Dynamics of the Edge Pedestal in the Low Collisionality Regime: Physics Mechanisms for Steady-State ELM-Free Operation |
| | TH/4-1Rb | To rapp. Wilson, HR | United Kingdom of Great Britain and Northern Ireland | ELM crash theory: Relaxation, filamentation, explosions and implosions |
| | TH/4-2 | Hayashi, N | Japan | Integrated Simulation of ELM Energy Loss Determined by Pedestal MHD and SOL Transport |
| | EX/9-3 | Moyer, RA | United States of America | Edge Localized Mode Control in DIII-D Using Magnetic Perturbation-Induced Pedestal Transport Changes |
| | EX/9-4 | Finken, KH | Germany | Influence of the Dynamic Ergodic Divertor on TEXTOR Discharges |

Provisional Programme for the 21st Fusion Energy Conference

21-Oct-06

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|---|---------------------------|----------------------------|---|---|
| IT/2 - ITER Systems 08:30 - 10:15 4x20' | IT/2-1Ra | <u>Libeyre, P</u> | France | New results and remaining issues in superconducting magnets for ITER and associated R&D in Europe |
| | IT/2-1Rb | To rapp. Okuno, K | Japan | Technology Development for the Construction of ITER Superconducting Magnet System |
| | IT/2-2 | Janeschitz, GA | Germany | High Temperature Superconductors for Future Fusion Magnet Systems - Status, Prospects and Challenges |
| | IT/2-3Ra | <u>Hanada, M</u> | Japan | Production of High Power and Large-Area Negative Ion Beams for ITER |
| | IT/2-3Rb | To rapp. Antoni, V | Italy | Technological aspects of the different schemes for accelerator and ion source of the ITER Neutral Beam Injector |
| | IT/2-3Rc | To rapp. Franzen, Peter | Germany | Progress of the development of the IPP RF Negative Ion Source for the ITER Neutral Beam System |
| | IT/2-3Rd | To rapp. Bonicelli, Tullio | Germany | Review of the EU Activities in Preparation of ITER |
| | IT/2-4Ra | <u>Piosczyk, B</u> | Germany | 170 GHz, 2 MW, CW Coaxial Cavity Gyrotron for ITER - status and experimental results |
| | IT/2-4Rb | To rapp. Litvak, AG | Russian Federation | Development in Russia of High Power Gyrotrons for Fusion |
| | IT/2-4Rc | To rapp. Sakamoto, K | Japan | Development of the 170GHz Gyrotron and Equatorial Launcher for ITER |
| | IT/2-4Rd | To rapp. Erckmann, V | Germany | The 140 GHz, 10 MW, CW ECRH Plant for W7-X: A Training Field for ITER |
| IT/2-4Re | To rapp. Gantenbein, Gerd | Germany | Experimental Results of the 1-MW, 140-GHz, CW Gyrotron for W7-X | |

Coffee Break

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|---|--------|---------------|--------------------------|---|
| IT/2 PD - ITER, Post-Deadline 10:45 - 12:30 5x20' | IT/2-5 | Beaumont, B | France | Progress Towards Steady State Systems For Fusion Devices |
| | IT/2-6 | Humphreys, DA | United States of America | Development of ITER-Relevant Plasma Control Solutions at DIII-D |
| | PD-1 | | | |
| | PD-2 | | | |
| | PD-3 | | | |

Lunch Break

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|---|--|--|--|--|
| S/1 - Summary 14:00 - 16:10 3x30' | | | | |
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Coffee Break

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|--|----------------|-------------------|--|-------|
| S/1 - Summary(cont.) / CLOSING 16:40 - 18:00 2x30' | CLOSING | Lackner, K / IAEA | | (20') |
|--|----------------|-------------------|--|-------|

| Statistics | OV/P | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |
|-----------------------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------------|-------------------|-----------|
| SUB-TOTALS | 24 | 58 | 65 | 49 | 55 | 68 | 63 | 55 | 52 |
| OVs all week | | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| SESSION TOTALS | 24 | 82 | 89 | 73 | 79 | 92 | 87 | 79 | 76 |
| OV/1-1 | EX/1-1 | TH/2-1 | TH/P3-1 | EX/3-1 | FT/1-1 | EX/6-1 | FT/2-1 | EX/9-1 | |
| OV/1-2 | EX/1-2 | TH/2-2 | TH/P3-2 | EX/3-2 | FT/1-2 | EX/6-2 | FT/2-2 | EX/9-2 | |
| OV/1-3 | EX/1-3 | TH/2-3 | TH/P3-3 | EX/3-3Ra | FT/1-3 | EX/6-3 | FT/2-3 | TH/4-1Ra | |
| OV/1-4 | EX/1-4 | TH/2-4 | TH/P3-4 | EX/3-3Rb | FT/1-4Ra | TH/3-1 | FT/2-4 | TH/4-1Rb | |
| OV/2-1 | EX/1-5 | TH/2-5 | TH/P3-5 | EX/3-4 | FT/1-4Rb | TH/3-2 | FT/2-5 | TH/4-2 | |
| OV/2-2 | EX/1-6 | TH/2-6Ra | TH/P3-6 | EX/3-5 | FT/1-5 | EX/6-4 | FT/P7-1 | EX/9-3 | |
| OV/2-3 | EX/P1-1 | TH/2-6Rb | TH/P3-7 | EX/3-6 | FT/1-6 | PD-1 | FT/P7-2 | EX/9-4 | |
| OV/2-4 | EX/P1-2 | TH/P2-1 | TH/P3-8 | TH/1-1 | FT/P5-1 | PD-2 | FT/P7-3 | EX/4-1Ra | |
| OV/3-1 | EX/P1-3 | TH/P2-2 | TH/P3-9 | TH/1-2 | FT/P5-2 | PD-3 | FT/P7-4 | EX/4-1Rb | |
| OV/3-2 | EX/P1-4 | TH/P2-3 | TH/P3-10 | TH/1-3 | FT/P5-3 | EX/P6-1 | FT/P7-5 | EX/4-2 | |
| OV/3-3 | EX/P1-5 | TH/P2-4 | TH/P3-11 | EX/2-1 | FT/P5-4 | EX/P6-2 | FT/P7-6 | EX/4-3 | |
| OV/3-4 | EX/P1-6 | TH/P2-5 | TH/P3-12 | EX/2-2 | FT/P5-5 | EX/P6-3 | FT/P7-7 | EX/4-4 (theory) | |
| OV/4-1 | EX/P1-7 | TH/P2-6 | TH/P3-13 | EX/2-3 | FT/P5-6 | EX/P6-4 | FT/P7-8 | EX/4-5Ra | |
| OV/4-2 | EX/P1-8 | TH/P2-7 | TH/P3-14 | EX/P4-1 | FT/P5-7 | EX/P6-5 | FT/P7-9 | EX/4-5Rb | |
| OV/4-3 | EX/P1-9 | TH/P2-8 | TH/P3-15 | EX/P4-2 | FT/P5-8 | EX/P6-6 | FT/P7-10 | EX/4-5Rc | |
| OV/4-4 | EX/P1-10 | TH/P2-9 | TH/P3-16 | EX/P4-3 | FT/P5-9 | EX/P6-7 | FT/P7-11 | EX/4-5Rd | |
| OV/5-1 | EX/P1-11 | TH/P2-10 | TH/P3-17 | EX/P4-4 | FT/P5-10 | EX/P6-8 | EX/5-1 | EX/7-1Ra | |
| OV/5-2 | EX/P1-12 | TH/P2-11 | TH/P3-18 | EX/P4-5 | FT/P5-11 | EX/P6-9 | EX/5-2 | EX/7-1Rb | |
| OV/5-3 | EX/P1-13 | TH/P2-12 | TH/P3-19 | EX/P4-6 | FT/P5-12 | EX/P6-10 | EX/5-3 | EX/7-2Ra | |
| OV/5-4 | EX/P1-14 | TH/P2-13 | TH/P3-20 | EX/P4-7 | FT/P5-13 | EX/P6-12 | EX/5-4 (theory) | EX/7-2Rb | |
| OV/6-1 | EX/P1-15 | TH/P2-14 | EX/8-1 | EX/P4-8 | FT/P5-14 | EX/P6-13 | EX/5-5Ra | EX/7-3 | |
| OV/P-1 | EX/P1-16 | EX/8-2 | EX/P4-9 | EX/P4-9 | FT/P5-15 | EX/P6-14 | EX/5-5Rb | EX/7-4Ra (theory) | |
| OV/P-2 | EX/P1-17 | TH/P2-16 | EX/8-3 | EX/P4-10 | FT/P5-16 | EX/P6-15 | EX/5-6 | EX/7-4Rb | |
| OV/P-3 | IT/1-1 | TH/P2-17 | EX/8-4 | EX/P4-11 | FT/P5-17 | EX/P6-16 | EX/P7-1 | EX/7-5 | |
| | IT/1-2 | TH/P2-18 | EX/8-5Ra (theory) | EX/P4-12 | FT/P5-18 | EX/P6-17 | EX/P7-2 | EX/P8-1 | |
| | IT/1-3 | TH/P2-19 | EX/8-5Rb | EX/P4-13 | FT/P5-19 | EX/P6-18 | EX/P7-3 | EX/P8-2 | |
| | IT/1-4 | TH/P2-20 | EX/8-6 | EX/P4-14 | FT/P5-20 | EX/P6-19 | EX/P7-4 | EX/P8-3 | |
| | IT/1-5 | TH/P2-21 | EX/P3-1 | EX/P4-15 | FT/P5-21 | EX/P6-20 | EX/P7-5 | EX/P8-4 | |
| | IT/1-6 | TH/P2-22 | EX/P3-2 | EX/P4-16 | FT/P5-22 | EX/P6-21 | EX/P7-6 | EX/P8-5 | |
| | IT/P1-1 | TH/P2-23 | EX/P3-3 | EX/P4-17 | FT/P5-23 | EX/P6-22 | EX/P7-7 | EX/P8-6 | |
| | IT/P1-2 | TH/P2-24 | EX/P3-4 | EX/P4-18 | FT/P5-24 | EX/P6-23 | EX/P7-8 | EX/P8-7 | |
| | IT/P1-4 | SE/P2-1 | EX/P3-5 | EX/P4-19 | FT/P5-25 | TH/P6-1 | EX/P7-9 | EX/P8-8 | |
| | IT/P1-5 | SE/P2-2 | EX/P3-6 | EX/P4-20 | FT/P5-26 | TH/P6-2 | EX/P7-10 | EX/P8-9 | |
| | IT/P1-6 | SE/P2-3 | EX/P3-7 | EX/P4-21 | FT/P5-27 | TH/P6-3 | EX/P7-11 | EX/P8-10 | |
| | IT/P1-7 | IT/2-1Ra | EX/P3-8 | EX/P4-22 | FT/P5-28 | TH/P6-4 | EX/P7-12 | EX/P8-11 | |
| | IT/P1-8 | IT/2-1Rb | EX/P3-9 | EX/P4-23 | FT/P5-29 | TH/P6-5 | EX/P7-13 | EX/P8-12 | |
| | IT/P1-9 | IT/2-2 | EX/P3-10 | EX/P4-24 | FT/P5-30 | TH/P6-6 | EX/P7-14 | EX/P8-13 | |
| | IT/P1-10 | IT/2-3Ra | EX/P3-11 | EX/P4-25 | FT/P5-31 | TH/P6-7 | TH/P7-1 | EX/P8-14 | |
| | IT/P1-11 | IT/2-3Rb | EX/P3-12 | EX/P4-26 | FT/P5-32 | TH/P6-8 | TH/P7-2 | EX/P8-15 | |
| | IT/P1-12 | IT/2-3Rc | EX/P3-13 | EX/P4-27 | FT/P5-33 | TH/P6-9 | TH/P7-3 | EX/P8-16 | |
| | IT/P1-13 | IT/2-3Rd | EX/P3-14 | EX/P4-28 | FT/P5-34 | TH/P6-10 | IC/P7-1 | EX/P8-17 | |
| | IT/P1-14 | IT/2-4Ra | EX/P3-15 | EX/P4-29 | FT/P5-35 | TH/P6-11 | IC/P7-2 | EX/P8-18 | |
| | IT/P1-15 | IT/2-4Rb | EX/P3-16 | EX/P4-30 | FT/P5-36 | TH/P6-12 | IC/P7-3 | EX/P8-19 | |
| | IT/P1-16 | IT/2-4Rc | EX/P3-17 | EX/P4-31 | FT/P5-37 | TH/P6-13 | IC/P7-4 | EX/P8-20 | |
| | IT/P1-17 | IT/2-4Rd | EX/P3-18 | EX/P4-32 | FT/P5-38 | TH/P6-14 | IC/P7-5 | EX/P8-21 | |
| | IT/P1-18 | IT/2-4Re | EX/P3-19 | EX/P4-33 | FT/P5-39 | TH/P6-15 | IC/P7-6 | TH/P8-1 | |
| | IT/P1-19 | IT/2-5 | EX/P3-20 | EX/P4-34 | FT/P5-40 | TH/P6-16 | IC/P7-7 | TH/P8-2 | |
| | IT/P1-20 | IT/2-6 | EX/P3-21 | EX/P4-35 | FT/P5-41 | TH/P6-17 | IC/P7-8 | TH/P8-3 | |
| | IT/P1-21 | IT/P2-1 | EX/P3-22 | EX/P4-36 | FT/P5-42 | TH/P6-18 | IC/P7-9 | TH/P8-4 | |
| | IT/P1-22 | IT/P2-2 | | EX/P4-37 | IF/1-1 | TH/P6-19 | IC/P7-10 | TH/P8-5 | |
| | IT/P1-23 | IT/P2-3 | | EX/P4-38 | IF/1-2Ra | TH/P6-20 | IC/P7-11 | TH/P8-6 | |
| | IT/P1-24 | IT/P2-4 | | EX/P4-39 | IF/1-2Rb | TH/P6-21 | IC/P7-12 | | |
| | IT/P1-25 | IT/P2-5 | | EX/P4-40 | IF/1-2Rc | TH/P6-22 | IC/P7-13 | | |
| | IT/P1-26 | IT/P2-6 | | EX/P4-41 | IF/1-3 | TH/P6-23 | IC/P7-14 | | |
| | IT/P1-27 | IT/P2-7 | | EX/P4-42 | IF/P5-1 | TH/P6-24 | IC/P7-15 | | |
| | IT/P1-28 | IT/P2-8 | | | IF/P5-2 | TH/P6-25 | | | |
| | IT/P1-29 | IT/P2-9 | | | IF/P5-3 | PD/P6-1 | | | |
| | IT/P1-30 | IT/P2-10 | | | IF/P5-4 | PD/P6-2 | | | |
| | | IT/P2-11 | | | IF/P5-5 | PD/P6-3 | | | |
| | | IT/P2-12 | | | IF/P5-6 | PD/P6-4 | | | |
| | | IT/P2-13 | | | IF/P5-7 | PD/P6-5 | | | |
| | | IT/P2-14 | | | IF/P5-8 | PD/P6-6 | | | |
| | | IT/P2-15 | | | IF/P5-9 | PD/P6-7 | | | |
| | | IT/P2-16 | | | IF/P5-10 | | | | |
| | | IT/P2-17 | | | IF/P5-11 | | | | |
| | | | | | IF/P5-12 | | | | |
| | | | | | IF/P5-13 | | | | |
| | | | | | IF/P5-14 | | | | |