

## Provisional Programme for the 22<sup>nd</sup> Fusion Energy Conference

Day Date	Sunday 12 October 2008	Monday 13 October 2008	Tuesday 14 October 2008	Wednesday 15 October 2008	Thursday 16 October 2008	Friday 17 October 2008	Saturday 18 October 2008
08:45 - 10:30		WELCOME  Fusion Pioneers Memorial Session  <b>FPM</b> (Lee, G.S., Korea, Rep. of)	Overview - III  <b>OV/3</b> (Iiyoshi, A., Japan)	Overview - V  <b>OV/5</b> (Pan, C., China)	Edge and Wave- particle Theory  <b>TH/3</b> (Guenter, S., Germany)	High-beta, Disruption, Post-deadline  <b>EX/7 &amp; PD</b> (Kruglyakov, E.P., Russia)	Turbulence  <b>EX/10 &amp; TH/8</b> (Lopes Cardozo, N.J., Netherlands)
	Coffee Break						
11:00 - 12:45	IFRC Meeting	Overview - I  <b>OV/1</b> (Goldston, R., USA)	Scenario Development  <b>EX/1</b> (Takamura, S., Japan)	Momentum Transport  <b>EX/3 &amp; TH/1</b> (Porkolab, M., USA)	Inertial Fusion, Safety, Economics, and Fusion Technology-II  <b>IF/1 &amp; SE/1 &amp; FT/2</b> (Atzeni, S., Italy)	ITER - II  <b>IT/2 &amp; FT/3</b> (Li, Jianguang, China)	Fusion Technology - III  <b>FT/4</b> (Noda, N., Japan)
	Lunch						
14:10 - 16:15	IFRC Meeting	Overview - II  <b>OV/2</b> (Llewellyn Smith, C., UK)	Overview - IV  <b>OV/4</b> (Sen, A., India)	ELMs and Pedestal  <b>EX/4 &amp; TH/2</b> (Kamada, Y., Japan)	Stability  <b>EX/5 &amp; TH/4</b> (Bindslev, H., Denmark)	Transport Barriers  <b>EX/8 &amp; TH/6</b> (Synakowski, E., USA)	SUMMARY <b>S/1</b> (Matsuda, S., Japan)
	Coffee Break						
16:45 - 18:30	IFRC Meeting	Fusion Technology - I  <b>FT/1</b> (Najmabadi, F., USA)	Transport  <b>EX/2</b> (Hong, B.G., Korea Rep.)	ITER - I  <b>IT/1</b> (Tran, M.Q., Switzerland)	Energetic Particle and Alfvén Eigen-modes  <b>EX/6 &amp; TH/5</b> (Van Dam, J.W. USA)	Plasma Wall Interaction  <b>EX/9 &amp; TH/7</b> (Chatelier, M., France)	SUMMARY <b>S/1 (cont.)</b>  <b>CLOSING</b> (Kikuchi, M., Japan) IAEA
	Registration of Conference Participants (16:00 - 19:30)						
Adjourn							
		Reception	Concert (20:30)	50 years Anniversary Evening Session <b>50y/E</b> (Jacquinot, J., France) (20:00)	Banquet	Evening Lecture (Aymar, R.) (20:30)	

Overview talks - 21'+4'  
Regular Orals - 17'+3'  
Summary talks - 30'

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08:45 - 10:30			<b>P2</b>  Fusion Technology, Safety, Economics	<b>P4</b>  SOL, Impurities, Experiments-Wall, Theory-Divertor, Innovative Confinement, Scenarios	<b>P6</b>  ELMs, Pedestal, Iter, Experiments- Heating&CD	<b>P8</b>  Energetic Particles, Alfvén Eigen-modes, Theory-Confinement
Coffee Break						
11:00 - 12:45	IFRC		<b>P2</b>  Fusion Technology, Safety, Economics	<b>P4</b>  SOL, Impurities, Experiments-Wall, Theory-Divertor, Innovative Confinement, Scenarios	<b>P6</b>  ELMs, Pedestal, Iter, Experiments- Heating&CD	<b>P8</b>  Energetic Particles, Alfvén Eigen-modes, Theory-Confinement
Lunch						
14:10 - 16:15	IFRC	<b>P1</b>  Overview (all)*	<b>P3</b>  Transport Barriers, Theory-Wave and particle interaction, Fusion Technology	<b>P5</b>  Momentum Transport, Turbulence	<b>P7</b>  Inertial Fusion, ITER	<b>P9, PD</b>  High-Beta, Stability, Post-Deadline, Theory-Stability
Coffee Break						
16:45 - 18:30	IFRC & Registration of Conference Participants  (16:00-19:30)	<b>P1</b>  Overview (all)*	<b>P3</b>  Transport Barriers, Theory-Wave and particle interaction, Fusion Technology	<b>P5</b>  Momentum Transport, Turbulence	<b>P7</b>  Inertial Fusion, ITER	<b>P9, PD</b>  High-Beta, Stability, Post-Deadline, Theory-Stability
Break						
		Reception	(20:30)  Concert	(20:00)  Evening Session 50 years Anniversary	Banquet	(20:30)  Evening Lecture (Aymar, R.)

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

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13-Oct-08

<i>Welcome &amp; Fusion Pioneers Memorial</i> <b>08:45 - 10:30</b> (100' +5')	Welcome	Couchepin, P.	Switzerland (President of)	
		Beagle, J.	UNOG (DDG)	
		Sokolov, Y.	IAEA (DDG)	
		Stancic, M.	EU (DG-Research)	
	Fusion Pioneers Memorial			
	FPM/1	Jacquinet, J.	France	50 year of Fusion and the Way Forward (40')
	FPM/2	Ikeda, K. (20')	ITER	ITER in the Route to Fusion Energy
Coffee Break				
<i>OV/1 Overview - I</i> <b>11:00 - 12:45</b> (100' +5')	OV/1-1	Fasoli, A.	Switzerland	Overview of Physics Research on the TCV Tokamak
	OV/1-2	Romanelli, F.	EC	Overview of JET Results
	OV/1-3	Oyama, N.	Japan	Overview of JT-60U Results Toward Establishment of Advanced Tokamak Operation
	OV/1-4	Strait, E.J.	USA	DIII-D Research in Support of ITER
Lunch Break				
<i>OV/2 Overview - II</i> <b>14:10 - 16:15</b> (120' +5')	OV/2-1	Holtkamp, N.	ITER	The Status of the ITER Design
	OV/2-2	Moses, E. I.	USA	Ignition on the National Ignition Facility: A Path Towards Inertial Fusion Energy
	OV/2-3	Zohm, H.	Germany	Overview of ASDEX Upgrade Results
	OV/2-4	Komori, A.	Japan	Development of Net-Current Free Heliotron Plasmas in the Large Helical Device
	OV/2-5	Waelbroeck, F.L.	USA	Theory and Observations of Magnetic Islands
Coffee Break				
<i>FT/1 Fusion Technology - I</i> <b>16:45 - 18:30</b> (100' +5')	FT/1-1	Bak, J.S.	Korea, Rep. of	Overview of Recent Commissioning Results of KSTAR
	FT/1-2	Garin, P.	France	The IFMIF/EVEDA Project: Outcome of the First Engineering Studies
	FT/1-3	Nishitani, T.	Japan	Fusion Technology Development for DEMO in the Broader Approach Activities
	FT/1-4	Klinger, T.	Germany	The Construction of the Wendelstein 7-X Stellarator
	FT/1-5	Pizzuto, A.	Italy	The Fusion Advanced Studies Torus (FAST): A Proposal for an ITER Satellite Facility in Support of the Development of Fusion Energy
Reception				

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<b>OV/3</b> <i>Overview - III</i> <b>08:45 - 10:30</b> (100'+5')	OV/3-1	Gates, D.A.	USA	Overview of Results from the National Spherical Torus Experiment (NSTX)
	OV/3-2	Meyer, H.	UK	Overview of Physics Results from MAST
	OV/3-3	Giruzzi, G.	France	Investigation of Steady-State Tokamak Issues by Long Pulse Experiments on Tore Supra
	OV/3-4	Wan, B.	China	Recent Experiments in the EAST and HT-7 Superconducting Tokamaks
Coffee Break				
<b>EX/1</b> <i>Scenario Development</i> <b>11:00 - 12:45</b> (100'+5')	EX/1-1	Sakamoto, Y.	Japan	Development of Reversed Shear Plasmas with Large Bootstrap Current Fraction Towards Reactor Relevant Regime in JT-60U
	EX/1-2	Rimini, F.G.	France	High beta-N Regimes at JET: Progress Towards Steady-State Operation
	EX/1-3	Doyle, E.J.	USA	Demonstration of ITER Operational Scenarios on DIII-D
	EX/1-4Ra	Joffrin, E.H.	EC	Development of the "Hybrid" Scenario in JET
	EX/1-4Rb	Petty, C.C.	USA	Advances in the Physics Basis of the Hybrid Scenario on DIII-D
	EX/1-4Rc	Suzuki, T.	Japan	Development of Advanced Operation Scenarios in Weak Magnetic-Shear Regime on JT-60U
EX/1-5	Gruber O.	Germany	Compatibility of ITER Scenarios with Full Tungsten Wall in ASDEX Upgrade	
Lunch Break				
<b>OV/4</b> <i>Overview - IV</i> <b>14:10 - 16:15</b> (120'+5')	OV/4-1	Azechi, H.	Japan	Plasma Physics Study and Laser Development for the Fast Ignition Realization Experiment (FIREX) Project
	OV/4-2	Garbet, X.	France	Turbulence Theory and Gyrokinetic Codes
	OV/4-3	Duan, X.R.	China	Overview of Experimental Results on HL-2A
	OV/4-4	Marmor, E.S.	USA	Overview of the Alcator C-Mod Research Program
	OV/4-5	Sanches, J.	Spain	Overview of TJ-II experiments
Coffee Break				
<b>EX/2</b> <i>Transport</i> <b>16:45 - 18:30</b> (100'+5')	EX/2-1	Saibene, G	EC	Results of the Variable Toroidal Field Ripple Experiments in JET
	EX/2-2	Akers, R.J.	UK	Transport Studies in the MAST Spherical Tokamak
	EX/2-3	Coda, S.	Switzerland	Full Bootstrap Discharge Sustainment in Steady State in the TCV Tokamak
	EX/2-4	Mantica, P	Italy	Experimental Study of the Ion Critical Gradient Length and Stiffness Level and the Impact of Rotational Shear in JET
	EX/2-5	Talmadge, J.N.	USA	Neoclassical Currents and Transport Studies in HSX at 1 Tesla
Concert (20:30)				

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<p>OV/5 Overview - V 08:45 - 10:30 (100'+5')</p>	OV/5-1	Tuccillo, A.A.	Italy	Overview of the FTU Results
	OV/5-2Ra	Martin, P.	Italy	Overview of the RFX-mod Results
	OV/5-2Rb	Fiksel, G.	USA	Overview of Results in the MST Reversed-Field Pinch Experiment
	OV/5-3	Norreys, P.A.	UK	Recent Studies in Fast Electron Energy Transport Relevant to Fast Ignition Inertial Fusion
	OV/5-4	Gusev, V.K.	Russian Federation	Overview of Results Obtained at the Globus-M Spherical Tokamak
Coffee Break				
<p>EX/3 &amp; TH/1 Momentum Transport 11:00 - 12:45 (100'+5')</p>	TH/1-1	<u>T. S. Hahm</u> (Diamond, P.H.)	USA	Physics of Non-Diffusive Turbulent Transport of Momentum and the Origins of Spontaneous Rotation in Tokamaks
	EX/3-1	Yoshida, M.	Japan	Formation Mechanism of Toroidal Rotation Profile and Characteristics of Momentum Transport in JT-60U
	EX/3-2	Kaye, S.M.	USA	Momentum Transport in Electron-Dominated Spherical Torus Plasmas
	EX/3-3	Tala, Tuomas	Finland	Experimental Evidence on Inward Momentum Pinch on JET and Comparison with Theory and Modelling
	EX/3-4	Solomon, W.M.	USA	Developments in Predictive Understanding of Plasma Rotation on DIII-D
Lunch Break				
<p>EX/4 &amp; TH/2 ELMs and Pedestal 14:10 - 16:15 (120'+5')</p>	EX/4-1	Evans, T.E.	USA	Plasma Performance in DIII-D ELM-Suppressed RMP H-modes with ITER Similar Shapes
	EX/4-2	Liang, Y.	Germany	Active Control of Type-I Edge Localized Modes with n=1 and n=2 fields on JET
	TH/2-1Ra	Becoulet, M.	France	Physics of Penetration of Resonant Magnetic Perturbations Used for Type I Edge Localized Modes Suppression in Tokamaks.
	TH/2-1Rb	Strauss, H.R.	USA	MHD Simulation of Resonant Magnetic Perturbations and ELMs
	EX/4-3Ra	Fundamenski, W.	UK	ELM Filament Heat Loads on Plasma Facing Components in JET and ITER
	EX/4-3Rb	Eich, T.	Germany	Divertor Heat Loads due to Edge Localized Modes in ASDEX Upgrade and JET
	EX/4-4Ra	Asakura, N.	Japan	Investigations of Impurity Seeding and Radiation Control for Long-pulse and High-density H-mode Plasmas in JT-60U
	EX/4-4Rb	Rapp, J.	Germany	Integrated Scenario with Type-III ELMy H-mode Edge: Extrapolation to ITER
	EX/4-5	Lang, P.T.	Germany	Investigating Pellet Physics for ELM Pacing and Particle Fuelling in ITER
Coffee Break				
<p>IT/1 ITER - I 16:45 - 18:30 (100'+5')</p>	IT/1-1	Alejaldre, C.	ITER	ITER on the Way to Become the First Fusion Nuclear Installation
	IT/1-2	Hawryluk, R.J.	USA	Principle Physics Developments Evaluated in the ITER Design Review
	IT/1-3	Weng, Peide	ITER	Results of ITER Superconducting Magnet R&D
	IT/1-4	Lowry, C.G.	ITER	Progress in Design and R&D on ITER Plasma Facing Components
	IT/1-5	Thomas, P.R.	EC	ELM Physics and ELM Mitigation in ITER
Dinner Break				
<p>E/1 Evening Session "50-year Anniversary of Fusion Research" 20:00 - 21:45</p>	<b>CANCELLED</b>	Société de Physique et d'Histoire Naturelle	Switzerland	"History of the Atom from the 19th Century to the Recent International Fusion Research"
	E/1-1 (15')	Smirnov, V.	Russia	Tokamak Foundation in Russia
	E/1-2 (25')	Meade, D.	USA	Highlights of 50 Years of Fusion Research
	E/1-3 (25')	Li, Jiangang	China	Magnetic Fusion Power Development for Global Warming Suppression
	E/1-4 (25')	Mima, K.	Japan	Inertial Fusion Power Development Path for Global Warming Suppression

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<b>TH/3</b> <i>Edge and Wave Particle Theory</i> <b>08:45 - 10:30</b> (100'+5')	TH/3-1	Poli, E.	Germany	Behaviour of Turbulent Transport in the Vicinity of a Magnetic Island
	TH/3-2	Hudson, S.R.	USA	Temperature Gradients are Supported by Cantori in Chaotic Fields.
	TH/3-3	Shimizu, K.	Japan	Kinetic Modelling of Impurity Transport in Detached Plasma for Integrated Divertor Simulation with SONIC (SOLDOR/NEUT2D/IMP/EDDY)
	TH/3-4	Spong, D.A.	USA	Energetic Particle Physics Issues for Three-dimensional Toroidal Configurations
	TH/3-5	Vdovin, V.L.	Russia	Critical Problems in Plasma Heating/CD in Large Fusion Devices and ITER
Coffee Break				
<b>IF/1 &amp; SE/1 &amp; FT/2</b> <i>Inertial Fusion, Safety-Economics, and Fusion Technology - II</i> <b>11:00 - 12:45</b> (100'+5')	IF/1-1	Meyerhofer, D. (McCrory, R.L.)	USA	Progress in Direct Drive Inertial Confinement Fusion
	IF/1-2	Shiraga, H.	Japan	Implosion and Heating Experiments of Fast Ignition Targets for FIREX-1 Project
	IF/1-3	Fernandez, J.C.	USA	Progress on the Development of Ion Based Fast Ignition
	SE/1-1	Ward, D.J.	UK	Economic Consequences of Fusion Materials Development
	FT/2-1	Yoshida, N.Y.	Japan	Reflectivity Reduction of Retro-Reflector Installed in LHD due to Plasma Surface Interaction
Lunch Break				
<b>EX/5 &amp; TH/4</b> <i>Stability</i> <b>14:10 - 16:15</b> (120'+5')	EX/5-1	Sabbagh, S.A.	USA	Advances in Global MHD Mode Stabilization Research on NSTX
	EX/5-2	Matsunaga, G.	Japan	Dynamics and Stability of Resistive Wall Mode in the JT-60U High- $\beta$ Plasmas
	EX/5-3Ra	Reimerdes, H.	USA	Effect of Resonant and Non-resonant Magnetic Braking on Error Field Tolerance in High Beta Plasmas
	EX/5-3Rb	Park, J.K.	USA	New Understanding of Tokamak Plasma Response to 3D Magnetic Fields
	TH/4-1	Chapman, I.T.	UK	The Physics of Sawtooth Stabilisation in Tokamak Plasmas
	EX/5-4	Isayama, A.	Japan	Neoclassical Tearing Mode Control with ECCD and Magnetic Island Evolution in JT-60U
	TH/4-2	Sen, A.	India	Turbulent Transport and Flow Effects on NTM Evolution and Trigger Mechanisms
Coffee Break				
<b>EX/6 &amp; TH/5</b> <i>Energetic Particle and Alfvén Eigen-modes</i> <b>16:45 - 18:30</b> (100'+5')	EX/6-1	Garcia-Munoz, M.	Germany	MHD Induced Fast-Ion Losses on ASDEX Upgrade
	EX/6-2	Van Zeeland, M.A.	USA	Alfvénic Instabilities and Fast Ion Transport in the DIII-D Tokamak
	TH/5-1	Vlad, G.	Italy	Particle Simulation of Energetic Particle Driven Alfvén Modes
	EX/6-3	Fredrickson, E.D.	USA	Toroidal Alfvén Eigen-mode Avalanches
	TH/5-2	Gorelenkov, N.N.	USA	Theory and Observations of Low Frequency Eigen-modes due to Alfvén Acoustic Coupling in Toroidal Fusion Plasma
Banquet				

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<p><i>EX/7 &amp; PD/1 High-beta, Disruption, Post- deadline 08:45 - 10:30 (100'+5')</i></p>	EX/7-1Ra	Chapman, B.E.	USA	High Beta Plasmas Exceeding Dual Stability Thresholds in the MST RFP
	<i>EX/7-1Rb</i>	Masamune, S.	Japan	Effects of Lowering the Aspect Ratio on MHD Behaviour in a Reversed Field Pinch
	EX/7-2Ra	Arnoux, G.	UK	Heat Load on Plasma Facing Components during Disruptions on JET
	<i>EX/7-2Rb</i>	Riccardo, V.	UK	Progress in Understanding Halo Current at JET
	<i>EX/7-2Rc</i>	Okamoto, M.	Japan	Study of Current Decay Time during Disruption in JT-60U Tokamak
	EX/7-3Ra	Esposito, B.	Italy	Disruption Control on FTU with ECRH
	<i>EX/7-3Rb</i>	Wesley, J.C.	USA	Fast Plasma Shutdowns Obtained with Massive Hydrogenic, Noble and Mixed-Gas Injection in DIII-D
	<i>EX/7-3Rc</i>	Savrukhin, P.V.	Russia	Effect of the MHD Perturbations on Runaway Beam Formation During Disruptions in the T-10 Tokamak
	PD/1-1			
	PD/1-2			
Coffee Break				
<p><i>IT/2 &amp; FT/3 ITER - II, Fusion Technology III 11:00 - 12:45 (100'+5')</i></p>	IT/2-1	Sakamoto, K.	Japan	Progress in ITER Heating and Current Drive System
	IT/2-2	Sips, A.C.C.	Germany	Experimental Studies of ITER Demonstration Discharges
	IT/2-3	Kessel, C. E.	USA	Development of ITER 15 MA ELMy H-mode Inductive Scenario
	IT/2-4Ra	Portone, A.	EC	ITER Plasma Vertical Stabilization
	<i>IT/2-4Rb</i>	Humphreys, D.A.	USA	Experimental Vertical Stability Studies for ITER Performance and Design Guidance
	FT/3-1Ra	Kasugai, A.	Japan	Demonstration of 1MW quasi-CW Operation of 170GHz Gyrotron and Progress of EC Technology for ITER
	<i>FT/3-1Rb</i>	Litvak, Alexander	Russian Federation	Status of Development in Russia of Megawatt Power Gyrotrons for Fusion
	<i>FT/3-1Rc</i>	Rzesnicki, T.	Germany	Experimental Investigations on the Pre-Prototype of the 170 GHz, 2 MW Coaxial Cavity Gyrotron for ITER
Lunch Break				
<p><i>EX/8 &amp; TH/6 Transport Barriers 14:10 - 16:15 (120'+5')</i></p>	EX/8-1Ra	Sakamoto, R.	Japan	High Density High Performance Plasma with Internal Diffusion Barrier in Large Helical Device
	<i>EX/8-1Rb</i>	Ohdachi, S.	Japan	Two Approaches to the Reactor-relevant High-beta Plasmas with Profile Control in the Large Helical Device
	TH/6-1	Toda, S.	Japan	Theoretical Modelling of Transport Barriers in Helical Plasmas
	EX/8-2Ra	Nagaoka, K.	Japan	Characteristics of High-Ion-Temperature Plasmas Heated by Neutral Beams in the Large Helical Device
	<i>EX/8-2Rb</i>	Ida, K.	Japan	Dynamics of Ion Internal Transport Barrier in LHD Heliotron and JT-60U Tokamak Plasmas
	EX/8-3	De Vries, P.C.	UK	Internal Transport Barrier Dynamics with Plasma Rotation in JET
	EX/8-4	Burrell, K.H.	USA	Edge Pedestal Control in Quiescent H-Mode Discharges in DIII-D Using Co Plus Counter Neutral Beam Injection
EX/8-5	Urano, H.	Japan	Heat Transport and Pedestal Structure of H-mode in the Variation of Current Density Profiles in JT-60U	
Coffee Break				
<p><i>EX/9 &amp; TH/7 Plasma Wall Interaction 16:45 - 18:30 (100'+5')</i></p>	EX/9-1	Tsitrone, E.	France	Deuterium Inventory in Tore Supra : Reconciling Particle Balance and Post Mortem Analysis
	EX/9-2	Kallenbach, A.	Germany	Non-Boronized Operation of ASDEX Upgrade with Full-Tungsten Plasma Facing Components
	EX/9-3	Rudakov, D.L.	USA	Dust Studies in DIII-D and TEXTOR
	TH/7-1	Ito, A.	Japan	Molecular Dynamics Simulation of Chemical Sputtering of Hydrogen Atom on Layer Structured Graphite
	EX/9-4	Kobayashi, Masahiro	Japan	Study on Impurity Screening in Edge Ergodic Layer of Large Helical Device
Evening Lecture (20:30) (Aymar, R.)				

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18-Oct-08

<i>EX/10 &amp; TH/8 Turbulence 08:45 - 10:30 (100'+5')</i>	EX/10-1	Mckee, G.R.	USA	Dependence of the L- to H-mode Power Threshold on Toroidal Rotation and the Link to Edge Turbulence Dynamics
	EX/10-2Ra	Mazzucato, Ernesto	USA	Turbulent Fluctuations with the Electro Gyro-scale in the National Spherical Torus Experiment
	EX/10-2Rb	Gusakov, E.Z.	Russia	Evolution of ETG-mode Scale Turbulence Spectra and Anomalous Electron Transport in Dynamic Experiments at FT-2 Tokamak
	TH/8-1	Holland, C.G.	USA	Validation of Gyrokinetic Transport Simulations Using DIII-D Core Turbulence Measurements
	TH/8-2	Idomura, Y.	Japan	Conservative Global Gyrokinetic Toroidal Full-f 5D Vlasov Simulation
	TH/8-3	Angioni, C.	Germany	Gyrokinetic Simulations of Impurity, He Ash and Alpha Particle Transport and Consequences on ITER Transport Modelling
Coffee Break				
<i>FT/4 Fusion Technology - IV 11:00 - 12:45 (100'+5')</i>	FT/4-1	Brooks, J.N.	USA	Plasma Surface Interaction Issues of an All-metal ITER
	FT/4-2Ra	Philipps, Volker	Germany	Development of Wall Conditioning and Tritium Removal Techniques in TEXTOR for ITER and Future Fusion Devices
	FT/4-2Rb	Wright, G.M.	Netherlands	Hydrogenic Retention of High-Z Refractory Metals Exposed to ITER Divertor Relevant Plasma Conditions
	FT/4-3Ra	Jitsukawa, S.	Japan	Irradiation Effects on Reduced Activation Ferritic/Martensitic Steels -Mechanical Properties and Modeling
	FT/4-3Rb	Muroga, T.	Japan	Compatibility of Reduced Activation Ferritic/Martensitic Steels with Liquid Breeders
	FT/4-4	Chernov, V.M.	Russia	Structural Materials for Fusion Power Reactors - the RF R&D Activities in 2006-2008
	FT/4-5Ra	Nightingale, M.P.S.	UK	Development of the JET Ion Cyclotron Resonance Frequency Heating System in Support of ITER
	FT/4-5Rb	Vulliez, K.	France	Validation of the Load-Resilient Ion Cyclotron Resonance Frequency Antenna Concept on Tore Supra Plasmas
Lunch Break				
<i>S/1 - Summary 14:10 - 16:15</i>	<b>Nuclear Fusion Prize (30')</b>			
	S/1-1	Taylor, T.	USA	EX-C, IC
	S/1-2	Motojima, O.	Japan	EX-S,W,D
	S/1-3	Dnestrovski, Yu.	Russia	TH
Coffee Break				
<i>S/1 (cont.) - Summary / CLOSING 16:45 - 18:30</i>	S/1-4	Stork, D.	UK	IT, FT, SE
	S/1-5	Tanaka, K.A.	Japan	IF
	<b>CLOSING</b>			

	P1 Monday PM	P2 Tuesday AM	P3 Tuesday PM	P4 Wednesday AM	P5 Wednesday PM	P6 Thursday AM	P7 Thursday PM	P8 Friday AM	P9, PD Friday PM
<b>TOPICS:</b>	Overview	Fusion Technology, Safety-Economics	Transport Barriers, Theory-Wall, Fusion Technology	SOL, Impurities, Experiments-Wall, Theory-Divertor, Innovative Confinement, Scenarios	Momentum Transport, Turbulence	ELMs, Pedestal, Iter, Experiments-Heating&CD	Inertial Fusion, Iter	Energetic Particles, Alfvén Eigen-modes, Theory-Confinement	High-Beta, Stability, Post-Deadline, Theory-Stability
SUB-TOTALS:	24	50	72	70	59	73	61	63	71
OVs all week:		24	24	24	24	24	24	24	24
SESSION TOTALS:	24	74	96	94	83	97	85	87	95
<b>OV Posters (Oral+Poster) 22+2</b>	<b>OV/1-1</b>	<b>FT/1-1</b>	<b>EX/1-1</b>	EX/P4-1	EX/P5-1	EX/P6-1	<b>IF/1-1</b>	EX/P8-1	PD/1-1
<b>Oral Posters 81</b>	<b>OV/1-2</b>	<b>FT/1-2</b>	<b>EX/1-2</b>	EX/P4-2	<b>EX/3-1</b>	EX/P6-2	IF/P7-3	EX/P8-2	PD/1-2
<b>Rappourteured Regular Posters 21</b>	<b>OV/1-3</b>	<b>FT/1-3</b>	<b>EX/1-3</b>	EX/P4-3	<b>EX/3-2</b>	EX/P6-3	IF/P7-18	EX/P8-3	PD/P1-1
<b>Regular Poster Submission 426</b>	<b>OV/1-4</b>	<b>FT/1-4</b>	<b>EX/1-4Ra</b>	EX/P4-4	<b>EX/3-3</b>	EX/P6-4	IF/P7-22	EX/P8-4	PD/P1-2
<b>PD Posters (Oral + Poster) 2+10</b>	<b>OV/2-1</b>	<b>FT/1-5</b>	<b>EX/1-4Rb</b>	EX/P4-5	<b>EX/2-2</b>	<b>EX/4-4Ra</b>	<b>IF/1-2</b>	EX/P8-5	PD/P1-3
	<b>OV/2-2</b>	<b>FT/2-1</b>	<b>EX/1-4Rc</b>	EX/P4-6	<b>EX/3-4</b>	<b>EX/4-4Rb</b>	IF/P7-10	EX/P8-6	PD/P1-4
	<b>OV/2-3</b>	<b>FT/3-1Ra</b>	<b>EX/1-5</b>	EX/P4-7	EX/P5-2	<b>EX/4-5</b>	IF/P7-13	EX/P8-7	PD/P1-5
	<b>OV/2-4</b>	<b>FT/3-1Rb</b>	EX/P3-1	EX/P4-8	EX/P5-3	EX/P6-5	IF/P7-4	EX/P8-8	PD/P1-6
	<b>OV/2-5</b>	<b>FT/3-1Rc</b>	<b>EX/8-3</b>	EX/P4-9	EX/P5-4	EX/P6-6	IF/P7-24	EX/P8-9	PD/P1-7
	<b>OV/3-1</b>	<b>FT/4-1</b>	<b>EX/8-2Ra</b>	EX/P4-10	EX/P5-5	EX/P6-7	IF/P7-31	EX/P8-10	PD/P1-8
	<b>OV/3-2</b>	<b>FT/4-2Ra</b>	<b>EX/8-2Rb</b>	EX/P4-11	<b>EX/2-4</b>	EX/P6-8	IF/P7-25	EX/P8-11	PD/P1-9
	<b>OV/3-3</b>	<b>FT/4-2Rb</b>	<b>EX/8-1Ra</b>	EX/P4-12	<b>EX/2-1</b>	EX/P6-9	<b>IF/1-3</b>	EX/P8-12	PD/P1-10
	<b>OV/3-4</b>	<b>FT/4-3Ra</b>	<b>EX/8-1Rb</b>	EX/P4-13	<b>EX/2-3</b>	EX/P6-10	IF/P7-16	<b>EX/6-1</b>	<b>EX/5-1</b>
	<b>OV/4-1</b>	<b>FT/4-3Rb</b>	EX/P3-2	EX/P4-14	EX/P5-6	EX/P6-11	IF/P7-30	<b>EX/6-2</b>	<b>EX/5-2</b>
	<b>OV/4-2</b>	<b>FT/4-4</b>	EX/P3-3	EX/P4-15	<b>EX/2-5</b>	EX/P6-12	IF/P7-6	<b>EX/6-3</b>	<b>EX/5-3Ra</b>
	<b>OV/4-3</b>	<b>FT/4-5Ra</b>	<b>EX/8-4</b>	EX/P4-16	EX/P5-7	EX/P6-13	IF/P7-19	<b>TH/5-1</b>	<b>EX/5-3Rb</b>
	<b>OV/4-4</b>	<b>FT/4-5Rb</b>	EX/P3-4	EX/P4-17	EX/P5-8	EX/P6-14	IF/P7-17	<b>TH/5-2</b>	<b>EX/5-4</b>
	<b>OV/4-5</b>	FT/P2-1	<b>EX/8-5</b>	EX/P4-18	EX/P5-9	EX/P6-15	IF/P7-2	TH/P8-1	<b>EX/7-1Ra</b>
	<b>OV/5-1</b>	FT/P2-2	EX/P3-5	EX/P4-19	EX/P5-10	EX/P6-16	IF/P7-12	TH/P8-2	<b>EX/7-1Rb</b>
	<b>OV/5-2Ra</b>	FT/P2-3	EX/P3-6	EX/P4-20	EX/P5-11	EX/P6-17	IF/P7-26	TH/P8-3	<b>EX/7-2Ra</b>
	<b>OV/5-2Rb</b>	FT/P2-4	EX/P3-7	EX/P4-21	EX/P5-12	EX/P6-18	IF/P7-21	TH/P8-4	<b>EX/7-2Rb</b>
	<b>OV/5-3</b>	FT/P2-5	EX/P3-8	EX/P4-22	EX/P5-13	EX/P6-19	IF/P7-20	TH/P8-5	<b>EX/7-2Rc</b>
	<b>OV/5-4</b>	FT/P2-6	EX/P3-9	EX/P4-23	EX/P5-14	EX/P6-20	IF/P7-8	TH/P8-6	<b>EX/7-3Ra</b>
	<b>OV/P1-1</b>	FT/P2-7	EX/P3-10	EX/P4-24	EX/P5-15	EX/P6-21	IF/P7-11	TH/P8-46	<b>EX/7-3Rb</b>
		FT/P2-8	EX/P3-11	<b>EX/9-4</b>	EX/P5-16	EX/P6-22	IF/P7-15	TH/P8-7	<b>EX/7-3Rc</b>
		FT/P2-9	FT/P3-1	EX/P4-25	EX/P5-17	EX/P6-23	IF/P7-5	TH/P8-8	EX/P9-1
		FT/P2-10	FT/P3-2	EX/P4-26	EX/P5-18	EX/P6-24	IF/P7-14	TH/P8-9	EX/P9-2
		FT/P2-11	FT/P3-3	EX/P4-27	EX/P5-19	EX/P6-25	IF/P7-29	TH/P8-10	EX/P9-3
		FT/P2-12	FT/P3-4	<b>EX/9-1</b>	EX/P5-20	EX/P6-26	IF/P7-23	TH/P8-11	EX/P9-4
		FT/P2-13	FT/P3-5	<b>EX/9-2</b>	EX/P5-21	EX/P6-27	IF/P7-32	TH/P8-12	EX/P9-5
		FT/P2-14	FT/P3-6	<b>EX/9-3</b>	EX/P5-22	EX/P6-28	IF/P7-27	TH/P8-13	EX/P9-6
		FT/P2-15	FT/P3-7	<b>TH/3-1</b>	EX/P5-23	EX/P6-29	IF/P7-28	TH/P8-14	EX/P9-7
		FT/P2-16	FT/P3-8	<b>TH/3-2</b>	EX/P5-24	EX/P6-30	IF/P7-7	TH/P8-15	EX/P9-8
		FT/P2-17	FT/P3-9	<b>TH/3-3</b>	EX/P5-25	EX/P6-31	IF/P7-9	TH/P8-16	EX/P9-9
		FT/P2-18	FT/P3-10	<b>TH/7-1</b>	EX/P5-26	EX/P6-32	<b>IT/2-1</b>	TH/P8-17	EX/P9-10
		FT/P2-19	FT/P3-11	TH/P4-1	EX/P5-27	EX/P6-33	<b>IT/2-2</b>	TH/P8-18	EX/P9-11
		FT/P2-20	FT/P3-12	TH/P4-2	EX/P5-28	<b>EX/4-1</b>	<b>IT/2-3</b>	TH/P8-19	EX/P9-12
		FT/P2-21	FT/P3-13	TH/P4-3	EX/P5-29	<b>EX/4-2</b>	<b>IT/2-4Ra</b>	TH/P8-20	<b>TH/4-1</b>
		FT/P2-22	FT/P3-14	TH/P4-4	EX/P5-30	<b>EX/4-3Ra</b>	<b>IT/2-4Rb</b>	TH/P8-21	<b>TH/4-2</b>
		FT/P2-23	FT/P3-15	TH/P4-5	EX/P5-31	<b>EX/4-3Rb</b>	IT/P7-1	TH/P8-22	TH/P9-1
		FT/P2-24	FT/P3-16	TH/P4-6	EX/P5-32	<b>IT/1-1</b>	IT/P7-2	TH/P8-23	TH/P9-2
		FT/P2-25	FT/P3-17	TH/P4-7	<b>EX/10-1</b>	<b>IT/1-2</b>	IT/P7-3	TH/P8-24	TH/P9-3
		FT/P2-26	FT/P3-18	TH/P4-8	<b>EX/10-2Ra</b>	<b>IT/1-3</b>	IT/P7-4	TH/P8-25	TH/P9-4
		FT/P2-27	FT/P3-19	TH/P4-9	<b>EX/10-2Rb</b>	<b>IT/1-4</b>	IT/P7-5	TH/P8-26	TH/P9-5
		FT/P2-28	FT/P3-20	TH/P4-10	EX/P5-33	<b>IT/1-5</b>	IT/P7-6	TH/P8-27	TH/P9-6
		FT/P2-29	FT/P3-21	TH/P4-11	EX/P5-34	IT/P6-1	IT/P7-7	TH/P8-28	TH/P9-7
		FT/P2-30	FT/P3-22	TH/P4-12	EX/P5-35	IT/P6-2	IT/P7-8	TH/P8-29	TH/P9-8
		FT/P2-31	FT/P3-23	TH/P4-13	EX/P5-36	IT/P6-3	IT/P7-9	TH/P8-30	TH/P9-9
		SE/P2-1	FT/P3-24	TH/P4-14	EX/P5-37	IT/P6-4	IT/P7-10	TH/P8-31	TH/P9-10
		<b>SE/1-1</b>	FT/P3-25	TH/P4-15	EX/P5-38	IT/P6-5	IT/P7-11	TH/P8-32	TH/P9-11
			FT/P3-26	TH/P4-16	EX/P5-39	IT/P6-6	IT/P7-12	TH/P8-33	TH/P9-12
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			<b>TH/3-5</b>	TH/P4-18	EX/P5-41	IT/P6-8	IT/P7-14	TH/P8-35	TH/P9-14
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			TH/P3-3	TH/P4-22	<b>TH/8-1</b>	IT/P6-12	IT/P7-18	TH/P8-39	TH/P9-18
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			TH/P3-5	IC/P4-2	<b>Th/8-3</b>	IT/P6-14	IT/P7-20	TH/P8-41	TH/P9-20
			TH/P3-6	IC/P4-3		IT/P6-15	IT/P7-21	TH/P8-42	TH/P9-21
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			TH/P3-11	IC/P4-8		IT/P6-20			TH/P9-26
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Wright, G.M.	FT/4-2Rb	Hydrogenic Retention of High-Z Refractory Metals Exposed to ITER Divertor Relevant Plasma Conditions	Netherlands
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Silva, C.G	EX/P4-11	Overview of Recent ISTTOK Results	Portugal
Spineanu, F.	TH/P4-11	Vortex nucleation in strongly sheared poloidal rotation and effects on velocity saturation and generation of ELM modes	Romania
Vlad, M	TH/P8-22	Nonlinear Dynamics of Impurities in Turbulent Tokamak Plasmas	Romania
Burdakov, A.V.	EX/P5-27	Advances in Plasma Heating and Confinement in the GOL-3 Multiple Mirror Trap	Russian Federation
Chernov, V.M.	FT/4-4	Structural Materials for Fusion Power Reactors - the RF R&D Activities in 2006-2008	Russian Federation
Dnestrovskij, A.Yu.	TH/P8-23	Canonical Profile Transport Model for H-mode Shots in Tokamaks	Russian Federation
Dnestrovskij, Yu. N.	TH/P8-24	Approach to Canonical Pressure Profiles in Stellarators	Russian Federation
Gusakov, E. Z.	EX/10-2Rb	Evolution of ETG-mode scale turbulence spectra and anomalous electron transport in dynamic experiments at FT-2 tokamak	Russian Federation
Gusev, V.K.	EX/P4-10	Plasma-Wall Interaction Study in the Open Divertor of Globus-M Spherical Tokamak	Russian Federation
Gusev, V.K.	OV/5-4	Overview of Results Obtained at the Globus-M Spherical Tokamak	Russian Federation
Ilgisonis, VI	TH/P9-24	Negative Energy Waves and Stability of Rotating Plasmas	Russian Federation
Ivanov, A. A.	EX/P5-43	Steady-State Confinement of Anisotropic Hot Ion Plasma in the Gas Dynamic Trap	Russian Federation
Ivanov, A. A.	FT/P2-30	Focused Neutral Beams with Low Chaotic Divergence for Plasma Heating and Diagnostics in Magnetic Fusion Devices	Russian Federation
Khimchenko, L.N.	EX/P4-13	Study of Dust Morphology, Composition and Surface Growth under ITER-relevant Energy Load in Plasma Gun QSPA-facility	Russian Federation
Khripunov, V.I.	FT/P3-26	3-D Study of PFC and Dust Activation in ITER	Russian Federation
Koidan, V.S.	FT/P2-11	Study of Radiation-Damaged Fusion Materials under High-Power Plasma Stream	Russian Federation
Koresheva, E.R.	IF/P7-12	STUDY ON FABRICATION AND MANIPULATION OF HEDgeHOB CRYOGENIC TARGETS	Russian Federation
Kruglyakov, E.P.	IC/P4-9	Thermonuclear Prospects of Modern Mirror Systems	Russian Federation
Kukushkin, A.B.	TH/P3-10	Electron Cyclotron Power Losses in Fusion Reactor-Grade Tokamaks: Scaling Laws for Spatial Profile and Total Power Loss	Russian Federation
Kuteev, B.V.	FT/P3-22	Conceptual Analysis of a Tokamak-Reactor with Lithium Dust Jet	Russian Federation
Lebedev, S.V.	EX/P3-10	Counter-NBI Assisted LH Transition in Low Density Plasmas in the TUMAN-3M	Russian Federation
Leonov, V.M.	TH/P8-25	Modelling of Tokamak Discharges with the Fast Central Response to the Boundary Plasma Perturbations	Russian Federation
Litvak, Alexander	FT/3-1Rb	Status of Development in Russia of Megawatt Power Gyrotrons for Fusion	Russian Federation
Lukash, V.E.	TH/P4-12	Numerical Modeling of Li limiter Experiments in T11-M tokamak	Russian Federation
Lyublinski, I.E.	FT/P2-15	Main Results and Prospects of Lithium Capillary-Porous System Investigation as Tokamak Plasma Facing Material	Russian Federation
Mavrin, A.A.	TH/P4-13	Computation of radial electric field in the turbulent edge plasma of the T-10 tokamak	Russian Federation
Melnikov, A.V.	EX/P5-36	The Study of the Statistical Properties of Electric Potential Oscillations in the T-10 Tokamak	Russian Federation
Mikhailov, M.I.	TH/P9-2	Exploration of Configurational Space for Quasi-isodynamic Stellarators with Poloidally Closed Contours of the Magnetic Field Strength	Russian Federation
Mukhin, E.E.	IT/P6-24	Progress in Development of Deposition Prevention and Cleaning Techniques for In-Vessel Optics in ITER	Russian Federation
Pastukhov, V.P.	TH/P8-26	Reduction of Cross-Field Plasma Transport in Tokamaks due to Power Input Redistribution and Sheared Flow Profile Modification	Russian Federation
Petrov, Y.V.	EX/P5-8	Central Fueling of Globus-M Plasma with the Help of Coaxial Plasma Gun.	Russian Federation
Pustovitov, V.D.	TH/P9-25	Rotating wall, the error-field-induced torque and the problem of the error field shielding in tokamaks	Russian Federation
Razumova, K.A.	EX/P5-18	Tokamak Plasma Self-Organization and Possibility to Have the Peaked Density Profile in ITER	Russian Federation
Sakharov, N.V.	EX/P5-16	Study of Globus-M low aspect ratio plasma in improved confinement regime.	Russian Federation
Savrukhin, P.V.	EX/7-3Rc	Effect of the MHD Perturbations on Runaway Beam Formation during Disruptions in the T-10 Tokamak	Russian Federation

Shchepetov, S.V.	EX/P5-14	Fast Transport Transitions in High Shear L-2M Stellarator: Role of Moderate-Order Rational Magnetic Surfaces	Russian Federation
Shelukhin, D.A.	EX/P5-37	Spatial Structure of Density Fluctuations and Geodesic Acoustic Mode in T 10 Tokamak.	Russian Federation
Skvortsova, N.N.	EX/P5-39	Effect of ECRH Regime on Characteristics of Short-Wave Turbulence in Plasma of the L 2M Stellarator	Russian Federation
Vdovin, V.L.	TH/3-5	Critical Problems in Plasma Heating/CD in large fusion devices and ITER	Russian Federation
Vershkov, V.A.	EX/P4-14	Experiments with Lithium Gettering of the T-10 Tokamak.	Russian Federation
Zalavutdinov, R. Kh.	FT/P2-16	A-C:H Film Removal in H2 and H2/N2O Glow and Afterglow Discharge	Russian Federation
Rajkovic, M	TH/P4-14	Characteristics of Intermittency and ELM Dynamics in the Edge Region of Magnetic Confinement Devices	Serbia and Montenegro
Bustos Molina, A.	TH/P3-18	Kinetic Simulation of Heating and Collisional Transport in a 3D Tokamak	Spain
Castejón, F	OV/4-5	Overview of TJ-II experiments	Spain
Castejón, F	TH/P4-15	Flux-expansion divertor studies in TJ-II	Spain
Estrada, T	EX/P5-31	Characterization of the perpendicular rotation velocity of the turbulence by reflectometry in the stellarator TJ-II	Spain
Hidalgo, C.	EX/P5-30	Multi-scale physics during shear flow development in the TJ-II stellarator	Spain
López-Bruna, D.	EX/P5-29	Footprint of the Magnetic Configuration in ECH Plasmas of the TJ-II Flexible Helic	Spain
Perlado, JM	IF/P7-20	Chamber responses and Safety and Fusion Technology in HiPER facility	Spain
Perlado, JMP	IF/P7-21	Progress in Inertial Fusion and Fusion Technology at DENIM	Spain
Drake, J. R.	EX/P9-7	Reversed-field pinch contributions to resistive wall mode physics and control	Sweden
Fülöp, T.	TH/P8-27	Quasilinear transport fluxes driven by microinstabilities in tokamaks	Sweden
Nordman, H	TH/P8-28	Transport in ITER-like plasmas in neoclassical, fluid and gyrokinetic descriptions	Sweden
Weiland, J	TH/P8-29	Symmetry breaking effects of toroidicity on toroidal momentum transport	Sweden
Baluc, N	FT/P2-3	Optimization of the Chemical Composition and Manufacturing Route for ODS RAF Steels for Fusion Reactor Application	Switzerland
Bruzzzone, P.	IT/P7-13	Qualification Tests and Facilities for the ITER Superconductors	Switzerland
Coda, S.	EX/2-3	Full Bootstrap Discharge Sustainment in Steady State in the TCV Tokamak	Switzerland
Fasoli, A.	OV/1-1	Overview of Physics Research on the TCV Tokamak	Switzerland
Furno, I.F	EX/P5-41	Turbulence and Transport in Simple Magnetized Toroidal Plasmas	Switzerland
Joliet, S.	TH/P8-30	Global Nonlinear Simulations of Ion and Electron Turbulence Using a Particle-In-Cell Approach	Switzerland
Maslov, M	EX/P5-20	Density profile behavior in JET H-mode plasmas	Switzerland
Paley, J.I	EX/P6-16	Real Time Control of Plasmas and ECRH Systems on TCV	Switzerland
Pitts, R. A.	EX/P4-20	SOL Transport in TCV	Switzerland
Pochelon, A.	EX/P5-15	Physics Insight and Performance Benefit in MHD and Energy Transport from Plasma Shaping Experiments in the TCV Tokamak	Switzerland
Turri, G	EX/P3-6	Global Plasma Oscillations in Electron Internal Transport Barriers in TCV	Switzerland
Onjun, T.	TH/P8-2	ITER Simulations with Internal and Edge Transport Barriers	Thailand
Picha, R.	TH/P8-45	Study of ITER Performance Based on Different Plasma Geometry	Thailand
Suwanna, S.	TH/P8-31	Pedestal Temperature Models with Self-Consistent Calculation of Safety Factor and Magnetic Shear	Thailand
Daybelge, U.	TH/P4-16	BIFURCATION BEHAVIOUR OF ROTATION VELOCITIES IN COLLISIONAL EDGE PLASMA WITH STEEP GRADIENT	Turkey
Kolesnichenko, Ya.I.	TH/P3-11	Sub-GAM modes in Stellarators and Tokamaks	Ukraine
Tereshin, V.I.	IT/P6-12	Simulation of ITER Transient Heat Loads to the Divertor Surfaces with Using the High Power Quasi-Steady-State Plasma Accelerator	Ukraine
Yakovenko, Yu.V.	TH/P3-12	Effect of the Toroidal Asymmetry on the Structure of TAE Modes in Stellarators	Ukraine
Yatsenko, N.M.	TH/P3-13	Influence of Anisotropy on Radiation of Any Linear Antenna System in Magnetoplasma	Ukraine
Akers, R.J.	EX/2-2	Transport studies in the MAST spherical tokamak	United Kingdom of Great Britain and Northern Ireland

Anderson, J	TH/P8-32	Non-perturbative models of intermittency in ITG drift wave turbulence with zonal flows	United Kingdom of Great Britain and Northern Ireland
Arnoux, G	EX/7-2Ra	Heat Load on Plasma Facing Components during Disruptions on JET	United Kingdom of Great Britain and Northern Ireland
Beurskens, MNA	EX/P3-4	Pedestal dynamics in ELMy H-mode plasmas in JET	United Kingdom of Great Britain and Northern Ireland
Buttery, R.J	IT/P6-8	Multimachine Extrapolation of Neoclassical Tearing Mode Physics to ITER	United Kingdom of Great Britain and Northern Ireland
Chapman, IT	TH/4-1	The Physics of Sawtooth Stabilisation in Tokamak Plasmas	United Kingdom of Great Britain and Northern Ireland
De Vries, P.C	EX/8-3	Internal transport barrier dynamics with plasma rotation in JET	United Kingdom of Great Britain and Northern Ireland
Fundamenski, W	EX/4-3Ra	ELM filament heat loads on plasma facing components in JET and ITER	United Kingdom of Great Britain and Northern Ireland
Gryaznevich, M.	OV/P1-1	Results of Joint Experiments and other IAEA activities on Research using Small Tokamaks	United Kingdom of Great Britain and Northern Ireland
Jones, TTC	FT/P2-29	The Physics of Design and Operation of High Power Neutral Beam Injection Ducts – Extrapolating JET Experience to ITER Situations	United Kingdom of Great Britain and Northern Ireland
Kiptily, V	EX/P8-8	Recent Progress in Fast-Ion Physics on JET	United Kingdom of Great Britain and Northern Ireland
Kirk, A	EX/P6-3	ELM power loadings and control on MAST using resonant magnetic perturbations	United Kingdom of Great Britain and Northern Ireland
Lisgo, S	EX/P4-17	The Influence of Filaments on Scrape-Off Layer Transport	United Kingdom of Great Britain and Northern Ireland
Liu, YQ	TH/P9-26	Modelling Resistive Wall Modes with Self-consistent Inclusion of Drift Kinetic Resonances	United Kingdom of Great Britain and Northern Ireland
Meyer, H	OV/3-2	Overview of Physics Results from MAST	United Kingdom of Great Britain and Northern Ireland
Militello, F.	TH/P9-31	Interaction of turbulence and magnetic islands	United Kingdom of Great Britain and Northern Ireland
Nightingale, M.P S	FT/4-5Ra	Development of the JET Ion Cyclotron Resonance Frequency Heating System in Support of ITER	United Kingdom of Great Britain and Northern Ireland
Nightingale, M.P S	IT/P7-6	RF and Mechanical Design of the ITER Ion Cyclotron Resonance Frequency Antenna	United Kingdom of Great Britain and Northern Ireland
Norreys, P.A.	OV/5-3	Recent Studies in Fast Electron Energy Transport Relevant to Fast Ignition Inertial Fusion	United Kingdom of Great Britain and Northern Ireland
Parail, V	IT/P6-7	Integrated Modelling for ITER in EU	United Kingdom of Great Britain and Northern Ireland
Peeters, A.G.	TH/P8-33	Gyro-Kinetic Study of Toroidal Momentum Transport	United Kingdom of Great Britain and Northern Ireland
Pinches, SD	EX/P8-7	Fast Particle Instabilities in MAST	United Kingdom of Great Britain and Northern Ireland
Riccardo, V	EX/7-2Rb	Progress in understanding halo current at JET	United Kingdom of Great Britain and Northern Ireland
Tolley, M K	IF/P7-2	Microtarget Requirements, Production and Delivery for HiPER	United Kingdom of Great Britain and Northern Ireland
Turnyanskiy, M.	EX/P6-26	Current profile control studies on MAST	United Kingdom of Great Britain and Northern Ireland
Valovic, M	EX/P5-17	CONFINEMENT AND FUELLING IN MAST	United Kingdom of Great Britain and Northern Ireland
Walsh, M.J	IT/P6-25	Performance evaluation of ITER Thomson scattering systems	United Kingdom of Great Britain and Northern Ireland
Ward, D.J	SE/1-1	Economic Consequences of Fusion Materials Development	United Kingdom of Great Britain and Northern Ireland
Wilson, H.R	TH/P9-27	The Interaction between Transport and Reconnection Processes	United Kingdom of Great Britain and Northern Ireland
Aydemir, A. Y.	TH/P8-34	An Angular Momentum Source in Tokamaks	United States of America
Bateman, G.	TH/P8-35	Integrated Modeling Simulations of Toroidal Momentum Transport in Tokamaks	United States of America
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Belova, E.V.	IC/P4-3	Simulation Studies of Field-Reversed Configurations with Rotating Magnetic Field Current Drive	United States of America
Brooks, J.N.	FT/4-1	Plasma Surface Interaction Issues of an All-metal ITER	United States of America
Burrell, K.H.	EX/8-4	Edge Pedestal Control in Quiescent H-Mode Discharges in DIII-D Using Co Plus Counte Neutral Beam Injection	United States of America
Callen, J.D.	TH/P8-36	Toroidal Rotation In Tokamak Plasmas	United States of America
Callis, R.W.	FT/P2-23	Alternate Concepts for Generating High Speed DT Pellets for Fueling ITER	United States of America
Catto, P. J.	TH/P8-37	Limitations, Insights and Improvements to Gyrokinetics	United States of America
Chapman, B.E.	EX/7-1Ra	High Beta Plasmas Exceeding Dual Stability Thresholds in the MST RFP	United States of America
Chen, L	TH/P3-14	Gyrokinetic Simulation of Energetic Particle Turbulence and Transport	United States of America

Degrassie, J.S.	EX/P5-2	Intrinsic Rotation in H-Mode Pedestal in DIII-D	United States of America
Del-Castillo-Negrete, D.	TH/P8-38	Non-local models of perturbative transport: numerical results and application to JET experiments	United States of America
Diamond, P.H.	TH/1-1	Physics of Non-Diffusive Turbulent Transport of Momentum and the Origins of Spontaneous Rotation in Tokamaks	United States of America
Diem, S.J.	EX/P6-17	Investigation of Electron Bernstein Wave (EBW) Coupling and its Critical Dependence on EBW Collisional Loss in High-Beta, H-Mode ST Plasmas	United States of America
Ding, Weixing	EX/P5-21	Particle Transport and Electron Density Relaxation due to Stochastic Magnetic Fields in the MST Reversed Field Pinch	United States of America
D'Ippolito, D. A.	TH/P4-17	Edge Turbulence, Blob Generation, and Interaction with Sheared Flows	United States of America
Doerner, R. P.	EX/P4-4	Issues Associated with Codeposition of Deuterium with ITER Materials	United States of America
Doyle, E.J.	EX/1-3	Demonstration of ITER Operational Scenarios on DIII-D	United States of America
Ernst, D. R.	TH/P8-39	Role of Zonal Flows in TEM Turbulence through Nonlinear Gyrokinetic Particle and Continuum Simulation	United States of America
Evans, T.E.	EX/4-1	Plasma Performance in DIII-D ELM-Suppressed RMP H-modes With ITER Similar Shapes	United States of America
Fernandez, J. C.	IF/1-3	Progress on the Development of Ion Based Fast Ignition	United States of America
Ferron, J.R.	EX/P4-27	Development in DIII-D of High Beta Discharges Appropriate for Steady-State Tokamak Operation With Burning Plasmas	United States of America
Fiksel, G	OV/5-2Rb	Overview of Results in the MST Reversed-Field Pinch Experiment	United States of America
Fredrickson, E.D	EX/6-3	Toroidal Alfvén Eigenmode Avalanches	United States of America
Fu, G.Y.	TH/P3-15	Energetic Particle-induced Geodesic Acoustic Mode	United States of America
Garnier, D. T.	IC/P4-12	Confinement Improvement with Magnetic Levitation of a Superconducting Dipole	United States of America
Gates, D. A.	OV/3-1	Overview of Results from the National Spherical Torus Experiment (NSTX)	United States of America
Goetz, J.A.	EX/P6-19	Lower Hybrid and Electron Bernstein Wave Current Drive Experiments in MST	United States of America
Goldston, R. J.	FT/P3-12	An Experiment to Tame the Plasma Material Interface	United States of America
Gorelenkov, N.N.	TH/5-2	Theory and observations of low frequency eigenmodes due to Alfvén acoustic coupling in toroidal fusion plasma	United States of America
Gourdain, P.-A.	TH/P9-28	Hollow Current Profile Scenarios for Advanced ITER Operations	United States of America
Groebner, R.J.	EX/P3-5	Progress Towards a Predictive Model for Pedestal Height in DIII-D	United States of America
Groth, M.	EX/P4-19	Effect of Cross-field Drifts and Core Rotation on Flows in the Main Scrape-Off Layer of DIII-D L-mode Plasmas	United States of America
Hawryluk, R. J.	IT/1-2	Principle Physics Developments Evaluated in the ITER Design Review	United States of America
Hegna, C.C	TH/P4-18	Intermediate Nonlinear Regimes of Line-tied g mode and Ballooning Instability	United States of America
Heitzenroeder, P.J.	FT/P3-8	Design and Construction Solutions in the Accurate Realization of NCSX Magnetic Fields	United States of America
Hoffman, A. L.	IC/P4-1	Hot Steady-State FRCs and the Field Reversed Mirror Concept	United States of America
Holland, C.G.	TH/8-1	Validation of Gyrokinetic Transport Simulations Using DIII-D Core Turbulence Measurements	United States of America
Hudson, S.R.	TH/3-2	Temperature gradients are supported by cantori in chaotic fields.	United States of America
Humphreys, D.A.	IT/2-4Rb	Experimental Vertical Stability Studies for ITER Performance and Design Guidance	United States of America
Izzo, V.A.	TH/P4-19	RMP Enhanced Transport and Rotational Screening in DIII-D Simulations	United States of America
Jackson, G.L.	IT/P7-2	Simulating the ITER Plasma Startup Scenario in the DIII-D Tokamak	United States of America
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Jardin, S. C.	TH/P9-29	Two-Fluid and Resistive Nonlinear Simulations of Tokamak Equilibrium, Stability, and Reconnection	United States of America
Kaita, R.	EX/P4-9	Plasma Performance Improvement with Lithium-Coated Plasma-Facing Components in NSTX	United States of America
Katsuro-Hopkins, O.	TH/P9-1	Global MHD Stability Study of KSTAR High Beta Plasma Equilibria Under Passive and Active Mode Control	United States of America
Kaye, S.M.	EX/3-2	Momentum Transport in Electron-Dominated Spherical Torus Plasmas	United States of America
Kessel, C. E.	IT/2-3	Development of ITER 15 MA ELMy H-mode Inductive Scenario	United States of America
Kotschenreuther, M	IC/P4-7	The Super X Divertor (SXD) and High Power Density Experiment (HPDX)	United States of America

Kramer, G.J.	IT/P6-3	Fusion-born alpha Particle Ripple Loss Studies in ITER	United States of America
Krashennnikov, S. I.	TH/P4-20	Theory and Modeling of Edge Plasma Transport, Plasma-Wall Interactions, and Dust Dynamics	United States of America
Ku, S.	TH/P8-40	Core and Edge full-f ITG turbulence with self-consistent neoclassical and mean flow dynamics using a real geometry particle code XGC1	United States of America
La Haye, R.J.	IT/P6-9	Prospects for Stabilization of Neoclassical Tearing Modes by Electron Cyclotron Current Drive in ITER	United States of America
Lin, Z	TH/P8-41	Gyrokinetic turbulence simulation of physics basis for transport modeling	United States of America
Logan, B. Grant	IF/P7-15	Advances in U.S. Heavy Ion Fusion Science	United States of America
Maingi, R.	EX/P6-4	Comparison of small ELM characteristics and regimes in Alcator C-Mod, MAST, and NSTX	United States of America
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Mazzucato, Ernesto	EX/10-2Ra	Turbulent fluctuations with the electro gyro-scale in the National Spherical Torus Experiment	United States of America
Mccrory, R. L.	IF/1-1	Progress in Direct Drive Inertial Confinement Fusion	United States of America
Mckee, G.R.	EX/10-1	Dependence of the L- to H-mode Power Threshold on Toroidal Rotation and the Link to Edge Turbulence Dynamics	United States of America
Moses, E. I.	OV/2-2	Ignition on the National Ignition Facility: A Path Towards Inertial Fusion Energy	United States of America
Murakami, M.	TH/P3-1	Off-Axis Neutral Beam Current Drive for Advanced Scenario Development in DIII-D	United States of America
Najmabadi, F	FT/P3-13	Compact Stellarator Power Plants – Prospects, Technical Issue, and R&D Directions	United States of America
Okabayashi, M.	EX/P9-5	Comprehensive Control of Resistive Wall Modes in DIII-D Advanced Tokamak Plasmas	United States of America
Pankin, A.Y. (cancelled)	TH/P4-21	Effects of Transport and Non-thermal Particles on Kinetic H-mode Pedestal Evolution	United States of America
Park, J.-K.	EX/5-3Rb	New understanding of tokamak plasma response to 3D magnetic fields	United States of America
Peng, Y.K M	FT/P3-14	Effects of Physics Conservatism and Aspect Ratio on Remote Handling for compact Component Test Facilities (CTFs)	United States of America
Petrie, T.W.	EX/P4-21	The Effect of Magnetic Balance and Particle Drifts on Radiating Divertor Behavior in DIII-D	United States of America
Petty, C.C.	EX/1-4Rb	Advances in the Physics Basis of the Hybrid Scenario on DIII-D	United States of America
Phillips, C. K.	EX/P6-25	Spectral Effects on Fast Wave Core Heating and Current Drive	United States of America
Pinsker, R.I.	EX/P6-24	Experimental Study of Fast Wave Absorption Mechanisms in DIII-D in the Presence of Energetic Ions	United States of America
Prager, S.C.	EX/P5-3	Momentum Transport from Tearing Instability	United States of America
Ram, A. K.	TH/P3-16	Electron Cyclotron Current Drive in Spherical Tokamaks with Application to ITER	United States of America
Raman, R	EX/P6-10	Solenoid-free Plasma Start-up in NSTX using Transient CHI	United States of America
Reiman, A.H.	TH/P9-3	Passive Stabilization of the Vertical Mode in Tokamaks by Localized Nonaxisymmetric Fields	United States of America
Reimerdes, H.	EX/5-3Ra	Effect of Resonant and Non-resonant Magnetic Braking on Error Field Tolerance in High Beta Plasmas	United States of America
Rice, J.E.	EX/P5-4	Counter-current Rotation and ITB Formation in Alcator C-Mod LHCD Plasmas	United States of America
Rudakov, D.L.	EX/9-3	Dust Studies in DIII-D and TEXTOR	United States of America
Ryutov, D. D.	IC/P4-8	A Snowflake Divertor: a Possible Way of Improving the Power Handling in Future Fusion Facilities	United States of America
Sabbagh, S. A.	EX/5-1	Advances in Global MHD Mode Stabilization Research on NSTX	United States of America
Schmitz, L.	EX/P5-35	First Observation of Reduced Core Electron Temperature Fluctuations and Intermediate Wavenumber Density Fluctuations in H- and QH-mode Plasmas	United States of America
Shaing, K. C.	TH/P9-30	Critical Toroidal Rotation Profile for Resistive Wall Modes and Control of Magnetic Islands in Tokamaks	United States of America
Shumlak, U.	IF/P7-28	Sheared Flow Stabilization in the Z-Pinch	United States of America
Skinner, C.H.	IT/P6-26	Electrostatic dust detection and removal for ITER	United States of America
Snipes, J.A	EX/P8-6	Characterization of Stable and Unstable Alfvén Eigenmodes in Alcator C-Mod	United States of America

Snyder, P.B.	IT/P6-14	Pedestal Stability Comparison and ITER Pedestal Prediction	United States of America
Solomon, W.M.	EX/3-4	Developments in Predictive Understanding of Plasma Rotation on DIII-D	United States of America
Sontag, A.C.	EX/P6-11	Current Profile Modification Influence on MHD and Non-Solenoidal Plasma Startup in the Pegasus Toroidal Experiment	United States of America
Soukhanovskii, V. A.	EX/P4-22	Diverter Heat Flux Mitigation in High-Performance H-mode Plasmas in the National Spherical Torus Experiment	United States of America
Spong, D. A.	TH/3-4	Energetic particle physics issues for three-dimensional toroidal configurations	United States of America
Staebler, G.M.	TH/P8-42	Testing the Trappes Gyro-Landau Fluid Transport Model With Data From Tokamaks and Spherical Tori	United States of America
Strait, E.J.	OV/1-4	DIII-D Research in Support of ITER	United States of America
Strauss, H. R.	TH/2-1Rb	MHD Simulation of Resonant Magnetic Perturbations and ELMs	United States of America
Talmadge, J.N.	EX/2-5	Neoclassical Currents and Transport Studies in HSX at 1 Tesla	United States of America
Terry, P.W.	TH/P8-43	Role of Impurity Cyclotron Damping in Ion Heating and RFP Turbulence	United States of America
Tynan, G.R.	EX/P5-40	Multi-scale Nonlinear Turbulence Dynamics Studies	United States of America
Van Woerkom, L.D.	IF/P7-31	Progress in Fast Ignition Studies with Electrons and Protons	United States of America
Van Zeeland, M.A.	EX/6-2	Alfvénic Instabilities and Fast Ion Transport in the DIII-D Tokamak	United States of America
Waelbroeck, F.L.	OV/2-5	Theory and Observations of Magnetic Islands	United States of America
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Wesley, J.C.	EX/7-3Rb	Fast Plasma Shutdowns Obtained With Massive Hydrogenic, Noble and Mixed-Gas Injection in DIII-D	United States of America
Whyte, D.G.	IT/P6-18	Studies of Requirements for ITER Disruption Mitigation Systems	United States of America
Wilson, J. R.	EX/P6-21	Lower Hybrid Heating and Current Drive on the Alcator C-Mod Tokamak	United States of America
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Wukitch, S.J.	EX/P6-23	Ion Cyclotron Antenna Impurity Production and Real Time Matching in Alcator C-Mod	United States of America
Wurden, G. A.	IC/P4-13	FRCHX Magnetized Target Fusion HEDLP Experiments	United States of America
Xu, X.Q.	TH/P4-22	Fully Nonlinear Edge Gyrokinetic Simulations of Kinetic Geodesic-Acoustic Modes and Boundary Flows	United States of America
Yuh, H.Y.	EX/P3-1	Suppression of turbulent transport in NSTX internal transport barriers	United States of America
Zheng, L. J.	TH/P9-32	Gyrokinetic theory for kinetic analysis of resistive wall modes in ITER	United States of America
Khaydarov, R.	IF/P7-9	Methods improved characteristics of laser source of ions	Uzbekistan