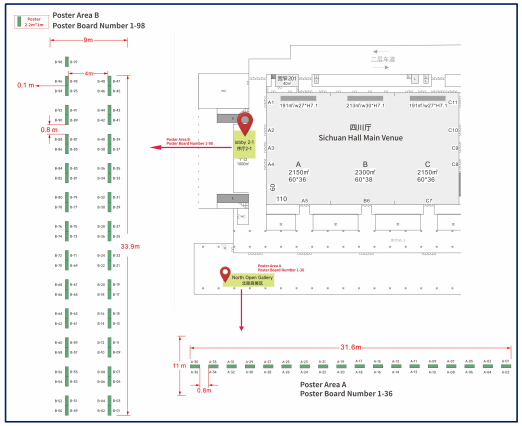
IAEA FEC2025
Information for Posters



Layout for Poster Area (A and B)

Poster Board

Overview Posters (14-18 Oct)

ID	Session	Board Number		Presenters (affiliation)
3380	Overview Posters	A-01	Overview of CRAFT project progress	Jiangang Li (Institute of Plasma Physics, Chinese Academy of Sciences)
3381	Overview Posters	A-02	PROGRESS OF ITER AND ITS VALUE FOR FUSION	Pietro barabaschi (ITER)
3385	Overview Posters	A-03	OVERVIEW OF THE MAST UPGRADE PHYSICS PROGRAMME: TESTING NOVEL CONCEPTS AT LOW ASPECT RATIO TO INFORM FUTURE DEVICES	James Harrison (United Kingdom Atomic Energy Authority)
3392	Overview Posters	A-04	OVERVIEW OF THE KSTAR EXPERIMENTS AND FUTURE PLAN	YongUn Nam (Korea Institute of Fusion Energy)
3394	Overview Posters	A-05	OVERVIEW OF UKAEA' S INTEGRATED FUSION TECHNOLOGY PROGRAMMES, EMPHASISING A DIGITAL FIRST STRATEGY	Rachel Lawless (UKAEA)
3400	Overview Posters	A-06	OVERVIEW OF RECENT EXPERIMENTAL RESULTS ON EAST IN SUPPORT OF ITER NEW RESEARCH PLAN	Xianzu Gong (Insititute of Plasma Physics, Chinese Academy Sciences)
3384	Overview Posters	A-07	RECENT ADVANCES IN PLASMA CONTROL AND PHYSICS RESEARCH IN THE LARGE HELICAL DEVICE	Kenji Tanaka (National Institute for Fusion Science)
3387	Overview Posters	A-08	Results from the last DD and DT JET campaigns in the framework of the EUROfusion Tokamak Exploitation activity	Nicola Vianello (Consorzio RFX, ISTP-CNR Padova)
3386	Overview Posters	A-09	Strategic plan to demonstrate heatwavedriven laser fusion with fast ignition scheme	Yasuhiko Sentoku (Institute of Laser Engineering, Osaka University)
3388	Overview Posters	A-10	Progress and innovations in the TCV tokamak research programme	Christian Theiler (EPFL-SPC)
3389	Overview Posters	A-11	Recent advances at the Globus-M2 tokamak	Nikolai Bakharev (Ioffe Institute)
3390	Overview Posters	A-12	TOWARDS DIGITAL TWINS OF FUSION SYSTEMS	Frank Jenko
3391	Overview Posters	A-13	OVERVIEW OF ACHIEVEMENTS AND OUTLOOK OF THE IFMIF/EVEDA PROJECT	Kazuo HASEGAWA (QST)
3393	Overview Posters	A-14	Overview of ASDEX Upgrade results	Thomas Pütterich (Max-Planck-Institut für Plasmaphysik)
3395	Overview Posters	A-15	Overview of the DONES Experimental Programme	Angel Ibarra (CIEMAT)
3397	Overview Posters	A-16	OVERVIEW OF WEST CONTRIBUTIONS TO THE NEW ITER BASELINE AND FUSION POWER PLANTS	Jerome Bucalossi (CEA)
3399	Overview Posters	A-17	Overview of Wendelstein 7-X highperformance operation	Olaf Grulke (MPI for Plasma Physics)
3401	Overview Posters	A-18	OVERVIEW OF ST40 RESULTS AND FUTURE: EXPANDING THE PHYSICS BASIS OF HIGHFIELD SPHERICAL TOKAMAKS	Otto Asunta (Tokamak Energy Ltd.)
3403	Overview Posters	A-19	HL-3 RESEARCH TOWARDS HIGHPERFORMANCE PLASMA AND POWER EXHAUST SOLUTION	Wulyu Zhong (Southwestern Institute of Physics)
2665	Overview Posters	A-20	AN OVERVIEW OF THE FIRST EXPERIMENTAL RESULTS WITH DIVERTOR CONFIGURATION DISCHARGES IN THE KTM TOKAMAK	Baurzhan Chektybayev (Institute of Atomic Energy of National Nuclear Center of Republic
2679	Overview Posters	A-21	JOREK contributions to the predictive understanding of transient phenomena in future tokamaks and stellarators	Matthias Hoelzl (Max Planck Institute for Plasma Physics)
2790	Overview Posters	A-22	The Divertor Tokamak Test project: progress towards the initial operation	Gianmario Polli (DDT Project)
2813	Overview Posters	A-23	STEP Exhaust System: Architecture and Technology Development overview	Songke Wang (UK Atomic Energy Authority)
2902	Overview Posters	A-24	Transport in high-performance plasmas of the TJ-II stellarator: From first-principles simulations to experimental validation	Jose Manuel Garcia-Regana (CIEMAT)
2999	Overview Posters	A-25	Overview of EXL-50U Experiments: Addressing Key Physics Issues for Future Spherical Torus Reactors	Yuejiang Shi (ENN Science and Technology Development Co., Ltd, Langfang, China)
3101	Overview Posters	A-26	Progress of Research on the KTX Reversed Field Pinch	Ge ZHUANG (University of Science and Technology of China)
3102	Overview Posters	A-27	Overview of R&D activities within IFERC in support of fusion development in the context of the Broader Approach Agreement Phase II	Masatoshi Yagi (National Institutes for Quantum and Radiological Science and Technology, Rokkasho Fusion Institute)
3111	Overview Posters	A-28	Progress of Proton-Boron Research for Fusion Energy in China	Bing Liu (ENN Science and Technology Development Co., Ltd.)
3142	Overview Posters	A-29	T-15MD: MISSION AND RECENT EXPERIMENTAL RESULTS	Natalia Kirneva (NRC "Kurchatov Institute")
3200	Overview Posters	A-30	Structural Design of the Negative Triangularity Spherical Tokamak (NTST)	Xuesong Ma (Startorus Fusion, China)
3321	Overview Posters	A-31	ADVANCES IN PHYSICS AND APPLICATIONS OF 3D MAGNETIC PERTURBATIONS ON THE J-TEXT TOKAMAK	Nengchao Wang (Huazhong University of Science and Technology, Wuhan, China)
3323	Overview Posters	A-32	THE DIVERTOR TOKAMAK TEST FACILITY RESEARCH PLAN	Piero Martin (Consorzio RFX)
3327	Overview Posters	A-33	RECENT PROGRESS ON THE SUNIST-2 SPHERICAL TOKAMAK	Yi Tan (Tsinghua University)
3346	Overview Posters	A-34	CONTROLLED NUCLEAR FUSION FOR THE ENERGY TRANSITION, HEALTH, AND INDUSTRY	GERVASONI Gervasoni (CNEA)
3383	Overview Posters	A-35	FIRST JT-60SA PLASMA OPERATION AND PLANS IN VIEW OF ITER AND DEMO	Jeronimo Garcia (CEA IRFM)

Poster Session 1 (10:10-14:00, 15 Oct)

ID	Session	Board Number		Presenters (affiliation)
3494	Posters 1	B-01	Construction Progress of Chi nese First Quasi-axisymmetric Stellarator (CFQS) and Prelim inary Results in the CFQS-Test Device	Yuhong Xu (Southwest Jiaotong University)
3498	Posters 1	B-02	Peeling limited pedestals in JET, MAST-U and TCV: effect of density and isotope mass in deu terium and tritium-rich plasma on pedestal structure and sta bility and validation of pedestal predictions for ITER.	Lorenzo Frassinetti (KTH Royal Institute of Technology)
3499	Posters 1	B-03	CORE AND EDGE TRANSPORT OF SCENARIO WITH INTERNAL TRANSPORT BARRIER INTRITIUM AND DEUTERIUM-TRITIUM PLASMAS IN JET WITH BE/W WALL	Costanza Maggi (UKAEA)
3501	Posters 1	B-04	DEVELOPMENT OF HIGH POLOIDAL BETA SCENARIO FOR LONG-PULSE OPERATION IN COLLABORATION BETWEEN DIII-D AND KSTAR	Youngmu Jeon (Korea Institute of Fusion Energy)
2713	Posters 1	B-05	CURRENT REARRANGEMENT IN MERGING START-UP OF SPHERICAL TOKAMAK PLASMAS	Michiaki Inomoto (The University of Tokyo)
2840	Posters 1	B-06	Investigation of broadband fluctuation-induced inward trans port at the edge of HL-2A NBI heated plasma	Jie Wu (University of Science and Technology of China)
2746	Posters 1	B-07	DETERMINATION OF W CHARACTERISTICS IN WEST BY MEANSOFEXTREMEUVEMISSIONANDARTIFICIALIN TELLIGENCE	Pierre Manas (CEA-IRFM)
2844	Posters 1	B-08	Global Fluid Turbulence Simulations of Pedestal Relaxation Events in the I-mode regime with GRILLIX	Christoph Pitzal (Max Planck Institute for Plasma Physics (IPP))
3011	Posters 1	B-09	RESEARCH AT THE KURCHATOV INSTITUTE INSUPPORT OF THE CREATION OF A HYBRID FUSION-FISSION SYS TEM	Yury Shpanskiy (NRC "Kurchatov Institute")
2851	Posters 1	B-10	CONFINEMENT PROPERTY IN THE JT-60SA FIRSTOPERATIONAL PHASE	Yoshiaki Ohtani (QST)
2634	Posters 1	B-11	Impurity Accumulation and Radiation Dynamics in advanced Scenarios in W7-X	Daihong Zhang
3134	Posters 1	B-12	Simulations of the interactions between ELMs and edge turbu lences on fusion reactor scale facilities	Tianyang Xla (Institute of Plasma Physics, Chinese Academy of Sciences)
3131	Posters 1	B-13	THREE-DIMENSIONAL NONLINEAR MODELING OF ELM DYNAMICS WITH BIASING IN THE HL-3 TOKAMAK	Jie HUANG (Southwestern Institute of Physics)
2712	Posters 1	B-14	Experimental study on configuration dependence of turbulent transport on LHD	Kenichi Nagaoka (National Institute for Fusion Science)
3151	Posters 1	B-15	EXTRACTING THE NEAREST CANONICAL EQUILIBRIUM DISTRIBUTION VIA NATURAL GRADIENT DESCENT METHOD	Chao Li (Peking University)
3348	Posters 1	B-16	FUSION STUDIES WITH SMALL AND TABLETOP PLASMA FOCUS DEVICES: INVESTIGATIONS ON NEW OPER ATIONAL REGIMES, NON-EQUILIBRIUM THERMODY NAMICS, EXTREME MATERIAL CONDITIONS, AND BIO LOGICALEFFECTS	Leopoldo Soto (Chilean Nuclear Energy Commission)
2818	Posters 1	B-17	Multi-Machine Studies of Low-Z Benign Termination of Run away Electron Beams and Extrapolation to ITER	Umar Sheikh (SPC-EPFL)
2697	Posters 1	B-18	Experimental identification of coexisting local and non-local turbulence	Naoki Kenmochi (National Institute for Fusion Science)
2803	Posters 1	B-19	EXPLORING ENHANCED PLASMA PERFORMANCE AFTER PELLET INJECTIONS VIA ROTATIONAL TRANSFORM MODULATION IN THE TJ-II STELLARATOR	Isabel García-Cortés (CIEMAT)
2793	Posters 1	B-20	INVESTIGATION OF PLASMA PARAMETERS IN SAW TOOTH OSCILLATION BY AB SOLUTEINTENSITY OF SOFT X-RAY EMISSION INJT-60SA INTEGRATED COMMISSION INGPHASE	Ryuichi Sano (National Institutes for Quantum Science and Technology (QST))
2795	Posters 1	B-21	INTERPRETING STRUCTURES OBSERVED IN PELLET AB LATION PROFILES IN THE STELLARATOR TJ-II	Kieran Joseph Mc Carthy (Ciemat)
2741	Posters 1	B-22	APPLICATIONS OF IN-SHOT CONTINUOUS NBI CONTROL SYSTEM TO FIRE MODE IN KSTAR	Seulchan Hong (Korea institute of Fusion Energy (KFE))
2794	Posters 1	B-23	INVESTIGATION OF THE MAGNETIC FLUX PUMPING EFFECT IN MAST UPGRADE	Sam Blackmore (UKAEA)
2740	Posters 1	B-24	Numerical Analysis of Electron Distribution Function under Electron Cyclotron Heating during Tokamak Start-up	Naoto Tsujii (The University of Tokyo)
3206	Posters 1	B-25	Linear and quasi-linear toroidal modeling of resonant magnetic perturbations during ELMs mitigation in HL-3	Neng Zhang (Southwestern Institute of Physics)
3334	Posters 1	B-26	NTST, A NEGATIVE TRIANGULARITY SPHERICAL TOKAMAK	Yi Tan (Tsinghua University)
3214	Posters 1	B-27	Self-Organized FRC Formation in Mirror Field Orthogonal to the Axis of Counter-Injected Plasmoids	Tsutomu Takahashi (Nihon University)
2621	Posters 1	B-28	Neutron-Physical Characteristics of Blanket of Hybrid Fusion Neutron Source based on Solution of Thorium Nitrate and Minor Actinides in Heavy Water	Alexey Zhirkin (NRC Kurchatov Institute)
2645	Posters 1	B-29	Advanced Magnetic Plasma Control Enabled by Reinforcement Learning	Georgy Subbotin (Next Step Fusion)
2696	Posters 1	B-30	Regime of Electron Internal Transport Barrier in High-Density NBI Heated Plasmas of Heliotron J	Shinji Kobayashi (IAE, Kyoto Univ.)
2720	Posters 1	B-31	Pulse Design Simulator for JT-60SA	Emmanuel Joffrin (CEA)
2724	Posters 1	B-32	INTERMITTENT MERGING OPERATIONS OF SPHERICAL TOKAMAK PLASMAS FOR RECONNECTION HEATING AND HELICITY INJECTION	Yasushi Ono (University of Tokyo)
2729	Posters 1	B-33	Bifurcated particle transport states driven by regulatory ener geticions in LHD plasmas	Masaki Nishiura (National Institute for Fusion Science)
2755	Posters 1	B-34	GYROKINETIC LINEAR SIMULATION OF HOTION MODE IN GLOBUS-M2 SPHERICAL TOKAMAK	Evgenii Kiselev (Ioffe Institute)
2778	Posters 1	B-35	DISCOVERY OF CROSS-SCALE NONLINEAR INTERACTION AND BIFURCATION IN MULTI-SCALE TURBULENCE IN LHD PLASMA	Tokihiko Tokuzawa (National Institute for Fusion Science)
2800	Posters 1	B-36	PROGRESS IN MULTIPLE-MIRROR PLASMA CONFINEMENT AT THE GOL-NB FACILITY	Sergey Polosatkin (Budker Institute of Nuclear Physics)
2809	Posters 1	B-37	MEASUREMENTS OF TOROIDAL ROTATION VELOCITY IN TUMAN-3M TOKAMAK IN NBI AND H-MODE REGIMES	Leonid Askinazi (Ioffe Institute)
2811	Posters 1	B-38	Utilizing a visible camera in the first operation phase(s) of a fusion device	Tamas Szepesi (HUN-REN Centre for Energy Research, Institute for Atomic Energy Research)
2814	Posters 1	B-39	JET HYBRID SCENARIO DEVELOPMENT IN D-T FOR IMPURITY SCREENING STUDY	damian king (UKAEA)
2821	Posters 1	B-40	Dimensional Isotope Scaling of Heat and Particle Transport between JET Deuterium and Tritium L-mode Plasmas	Tuomas Tala (VTT, Association Euratom-Tekes)
2831	Posters 1	B-41	Density Limit Disruption Induced by Core-localized Alfvenic Ion Temperature Gradient Instabilities in a Toroidal Plasma	Wei Chen (Southwestern Institute of Physics, P.O. Box 432 Chengdu 610041, China)
2891	Posters 1	B-42	Observation of fluctuation-induced particle transport phe nomena in the RT-1 levitated dipole	Haruhiko Saitoh (The University of Tokyo)
2899	Posters 1	B-43	Pumping requirements for core plasma performance in STEP using JINTRAC	Emmi Tholerus (UK Atomic Energy Authority)
2989	Posters 1	B-44	Overview of the physics design of the EHL-2 spherical torus for proton-Boron fusion	Hua-sheng Xie (ENN Science and Technology Development Co., Ltd.)
3025	Posters 1	B-45	Investigation of high Q L-mode plasma operation sustained by enhanced pellet fueling in ITER	JIE ZHANG (School of Nuclear Science and Technology, University of Science and Technology of
3029	Posters 1	B-46	DEVELOPING MACHINE LEARNING FACILITATED PEDESTAL MODELS	Aaro Järvinen (VTT)
3135	Posters 1	B-47	PROGRESS IN FIRST-PRINCIPLES BOUNDARY SIMULA TIONS OF PLASMA TURBULENCE AND NEUTRAL DYNAMICS WITH THE GBS CODE	Paolo Ricci (Ecole Polytechnique Fédérale de Lausanne (EPFL), Swiss Plasma Center (SPC))
3160	Posters 1	B-48	MITIGATION OF ELM BY 3D MAGNETIC PERTURBATIONS IN HL-3/HL-2A TOKAMAKS	Guangzhou Hao (Southwestern institute of physics)
3192	Posters 1	B-49	Kinetic modeling of tungsten transport induced by low-n X point mode	Huayi Chang (Dalian University of Technology)
3261	Posters 1	B-50	SIMULATION OF EFFECT OF POLOIDAL INJECTION GEOMETRY ON LI-PELLET TRIGGERED ELM UNDER BOUT++FRAMEWORK	Mao Li
3292	Posters 1	B-51	Simulation study of the effect of impurities on the nonlinear dynamic process of Edge-Localized-Modes	Taihao Huang (University of science and technology of China)
3336	Posters 1	B-52	TURBULENCE-TRANSPORT COUPLING SIMULATION STUDY OF THE ELM DYNAMICS FROM HIGHRECYCLING ATTACHED REGIME TO IMPURITY SEEDED DETACHMENT REGIME WITHIN EDGE PLASMA COUPLING SIMULATION(EPCS)FRAMEWORK	TianYuan Liu (School of Nuclear Science and Technology, University of Science and Technology of China)
3356	Posters 1	B-53	BOUT++ SIMULATION STUDY OF THE EFFECT OF RESONANT MAGNETIC PERTURBATION ON THE TURBULENCE TRANSPORT	Shifeng MAO (University of Science and Technology of China)

Poster Session 2 (14:00-17:50, 15 Oct)

ID	Session	Board Number		Presenters (affiliation)
3405	Posters 2	B-01	CHANGE OF WALL MATE RIAL FROM BERYLLIUM TO TUNGSTEN IN THE NEW ITER BASELINE: PHYSICS BASIS, IMPLICATIONS FOR RESEARCH PLAN AND WALL DESIGNS FOR ITS OPERATIONAL PHASES	Alberto Loarte (ITER Organization)
3406	Posters 2	B-02	RECOVERY OF ITER SECTOR MODULES FROM CRITICAL ISSUES	Chang Hyun Noh (ITER organization)
3407	Posters 2	B-03	ACHIEVEMENT AT THE ITER NEUTRAL BEAM TEST FACILITY AND PROSPECTS FOR THE R&D ACTIVITIES WITHIN THE ITER RESEARCH PLAN	Diego Marcuzzi (Consorzio RFX)
3408	Posters 2	B-04	THE 2024 NEW BASELINE ITER RESEARCH PLAN	Siwoo Yoon (Korea Institute of Fusion Energy)
3409	Posters 2	B-05	ITER Core Machine Assembly Progress	Jens Reich (ITER Organization)
3502	Posters 2	B-06	Fusion research and development strategy for JA DEMO investigated in QST	Hidenobu Takenaga (National Institutes for Quantum Sicence and Technology)
3503	Posters 2	B-07	STEP: Driving a pathway to accelerated fusion delivery	Howard Wilson (UK Industrial Fusion Solutions)
3504	Posters 2	B-08	Towards a Stellarator Fusion Reactor: Achievements of the European Stellarator Program	Felix Warmer (Max Planck Institute for Plasma Physics)
3505	Posters 2	B-09	Tokamak Energy’ s high temperature superconducting magnet spherical tokamak fusion pilot plant concept	Nicolas Lopez (Tokamak Energy Ltd)
3506	Posters 2	B-10	Establishment and Progress of Korean Fusion Reactor Design Activities: A Coordinated National Approach	JAE MIN Kwon (National Fusion Research Institute)
3319	Posters 2	B-11	Experimental observation of streamer-like structure enhancing turbulent transport in scrape-off layer of HL-2A tokamak	Jian Chen (Institute of Fusion Science, School of Physical Science and Technology, Southwest Jiaotong University)
2854	Posters 2	B-12	ADVANCES IN EUROPEAN IN-KIND CONTRIBUTIONS TO PLASMA DIAGNOSTICS AND PORT INTEGRATION FOR ITER	Clara Colomer (Fusion for Energy), Miguel Perez (Fusion for Energy)
3233	Posters 2	B-13	DIVERTOR FLUX CONTROL BY RMP ELM SUPPRES SION AND RADIATIVE DIVERTOR OPERATION IN EAST H-MODE WITH TUNGSTEN PLASMA FACING COMPONENTS IN SUPPORT OF ITER NEW RESEARCH PLAN	Manni JIA (Institute of Plasma Physics, Chinese Academy of Sciences)
2870	Posters 2	B-14	A Global Licensing and Regulation Framework for Fusion Energy	Ralf Kaiser (ICTP)
2738	Posters 2	B-15	DEVELOPMENT OF A FAMILY OF RAYS TRACING CODE BASED ON A NON-COMMUTATIVE KINETIC RAY SYSTEM	Kota Yanagihara (National Institutes for Quantum and Radiological Science and Technology)
2856	Posters 2	B-16	Implementation of a tightly baffled long-legged divertor in TCV	Holger Reimerdes (Ecole Polytechnique Fédérale de Lausanne (EPFL), Centre de Recherches en Physique des Plasmas)
3169	Posters 2	B-17	Conceptual Design Study for Downsizing of Fusion DEMO Reactor	Hiroyasu Utoh (National Institutes for Quantum Science and Technology)
2760	Posters 2	B-18	Key dependencies for the radial density decay in the far-SOL of JET H-mode plasmas	Christian Perez von Thun (IPPLM)
2944	Posters 2	B-19	Core-edge integration studies in negative triangularity in TCV	Olivier Février (Ecole Polytechnique Fédérale de Lausanne (EPFL), Swiss Plasma Center (SPC), CH-1015 Lausanne, Switzerland)
2691	Posters 2	B-20	Effect of edge-localized mode simulation on detached plasma in the divertor simulation experimental module of GAMMA 10/PDX	Masayuki Yoshikawa (University of Tsukuba)
3225	Posters 2	B-21	Stellarator Plasma Start-up Model Based on Energy Confinement Time Scaling Laws, Experimental Verification and Numerical Simulation Results	chun yan Li
3231	Posters 2	B-22	SIMULATION OF HEAT EXCHANGER TUBE RUPTURE ACCIDENT FOR CN HCCB TBS	Bo HU (Southwestern Institute of Physics)
2750	Posters 2	B-23	FAST: A FUSION ENERGY SYSTEMS INTEGRATION TEST FACILITY	Akira Ejiri (Graduate School of Frontier Sciences, The University of Tokyo)
2743	Posters 2	B-24	On the selfconsistency between ray-tracing/Fokker-Planck and the toroidal MHD equilibrium for the Lower Hybrid current drive	Yves Peysson (CEA), Riccardo Saura (CEA)
2802	Posters 2	B-25	RECENT PROGRESS IN THE PILOT GAMMA PDX-SC SUPERCONDUCTING MIRROR	Mizuki Sakamoto (Plasma Research Center, University of Tsukuba)
2736	Posters 2	B-26	Material selection for mirror substrate compatible with high power laser beam utilized by Tritium-monitor diagnostic in ITER	Sebastijan Brezinsek (Institute of Fusion Energy and Nuclear Waste Management–Plasma Physics, Forschungszentrum Jülich GmbH, Germany)
2737	Posters 2	B-27	STUDY ON THE THERMAL PERFORMANCE OF ITER TUNGSTEN DIVERTOR MONOBLOCK USING NANOFLUID FOR COOLING ENHANCEMENT	Salah El-Din El-Morshedy (Egyptian Atomic Energy Authority)
2765	Posters 2	B-28	Impact of Stark Broadening on Ion Temperature Measurements in the ITER Divertor Plasma	Motoshi Goto (National Institute for Fusion Science)
2781	Posters 2	B-29	EDGE MAGNETIC ISLANDS AND ITS APPLICATION TO THE DEVELOPMENT OF ADVANCED DIVERTOR CONFIGURATION ON THE J-TEXT TOKAMAK	Yunfeng Liang (Forschungszentrum Jülich GmbH, Germany)
2782	Posters 2	B-30	THE SCALING OF THE ION HEATING AND ELECTRO STATIC POTENTIAL IN SPHERICAL TOKAMAK	Tara Ahmadi (University of Tokyo)
2796	Posters 2	B-31	HIGH-FIELD-SIDE HIGH-DENSITY REGION IN GLOBUSM2 DIVERTOR	Eugene Mukhin (Ioffe Institute)
2833	Posters 2	B-32	Development of welding, cutting and bolting tools for ITER blanket remote maintenance	TAKEYUKI TANAKA (National Institutes for Quantum Science and Technology)
2843	Posters 2	B-33	BORON CARBIDE CERAMICS AS NEUTRON SHIELDING FOR ITER PORT-PLUGS	Andrey Shoshin (Budker Institute of Nuclear Physics)
2846	Posters 2	B-34	IMPACT OF ION TEMPERATURE ON DETACHED PLASMA IN GAMMA 10/PDX DIVERTOR SIMULATION PLASMA	Naomichi Ezumi (University of Tsukuba)
2848	Posters 2	B-35	Scaling of the H-mode electron separatrix density based on engineering parameters from C-Mod, AUG and JET data	Davide Silvagni (Max Planck Institute for Plasma Physics)
2864	Posters 2	B-36	Active spectroscopy for atomic H and D measurements in fusion	Ivo Furno (EPFL- SPC)
2872	Posters 2	B-37	STEP: NOVEL POWER INFRASTRUCTURE FOR FUSION POWERPLANTS	Jack Acres (United Kingdom Industrial Fusion Solutions)
2897	Posters 2	B-38	ANOMALOUS X2-MODE ECRH POWER ABSORPTION AT THE TJ-II STELLARATOR:COMPARISON OF THEORY AND EXPERIMENTS	Alexei Popov (Ioffe Institute)
2907	Posters 2	B-39	Conceptual design of the Fusion ENergY eXperiment (FENYX)	Vadim Yanovskiy (Institute of Plasma Physics of the Czech Academy of Sciences)
2914	Posters 2	B-40	THE GLOBUS-3 PROJECT AS THE NEXT STEP IN THE RESEARCH PROGRAM ON SPHERICAL TOKAMAKS AT THE IOFFE INSTITUTE	Vladimir Minaev (Ioffe Institute)
2916	Posters 2	B-41	Predictive study of non-axisymmetric neutral beam ion loss on the upgraded KSTAR plasma-facing components	Taeuk Moon (Ulsan National Institute of Science and Technology, Republic of Korea)
2960	Posters 2	B-42	Compatibility of pronounced detachment with improved confinement on HL-2A tokamak	Ting Wu (Southwestern Institute of Physics)
2985	Posters 2	B-43	DESIGN AND DEVELOPMENT OF ITER VUV SPECTROM ETERS WITH PROTOTYPE TESTING	Changrae Seon (Korea Institute of Fusion Energy, ITER KODA)
2987	Posters 2	B-44	DENSITY DEPENDENCE OF CONVECTION IN PARALLEL HEAT TRANSPORT IN THE SCRAPE-OFF LAYEROF JT-60U	Ryota Matoike
2991	Posters 2	B-45	PROGRESS IN FUSION WORKFORCE DEVELOPMENT ANDEDUCATION IN EUROPE,USA,JAPAN AND ITER	Eva Belonohy (EUROfusion Consortium, Institute of Plasma Physics of the Czech Academy of
2993	Posters 2	B-46	Characteristics of tungsten impurity sources and transport in KSTAR	Juhyeok Jang (Korea Institute of Fusion Energy)
2997	Posters 2	B-47	Nonlinear spectrum evolution of lower hybrid waves and density limit of lower hybrid current drive	Zhe Gao (Tsinghua University)
3012	Posters 2	B-48	Progress of the EHL-2 Spherical Torus Engineering Design	yuanming yang (ENN Science and Technology Development Co., Ltd.)
3014	Posters 2	B-49	Experimental investigation of deuterium and nitrogen-seeded H-mode plasmas in KSTAR with new Wdivertor	Junghoo Hwang (Korea Advanced Institute of Science and Technology, Korea Institute of Fusion Energy)
3016	Posters 2	B-50	Towards Practical Fusion Energy: Engineering Challenges and Development Strategies by the Perspective of CNPE	Li FAN (CNPE)
3044	Posters 2	B-51	IMPACT OF TRANSIENT HEAT LOADS ON THE DETACHED MAST UPGRADE SUPER-X DIVERTOR	Rory Scannell (United Kingdom Atomic Energy Authority)
3067	Posters 2	B-52	TheX-PointRadiator regime in the WEST tokamak for divertor operation in next step fusion devices	Nicolas RIVALS (CEA)
3104	Posters 2	B-53	REGULATORY FRAMEWORK TOWARDS FUSION ENERGY IN GERMANY	Jens-Uwe Schmollack (TUV Rheinland)
3112	Posters 2	B-54	A COMPREHENSIVE DESIGN OF THE UPPER PORT 18 IN TERSPACE SUPPORT STRUCTURE FOR THE ITER DIAGNOSTIC PORT	Jaemin Kim (KFE)
3141	Posters 2	B-55	Impact of the Plasma Boundary on Machine Operation, and the Risk Mitigation Strategy on JET	Hongjuan Sun (UKAEA/CCFE, Culham Science Centre)
3145	Posters 2	B-56	ENDOSCOPE LASER-INDUCED BREAKDOWN SPECTROSCOPY (LIBS) FOR IN SITU ELEMENTAL DISTRIBUTION DIAGNOSIS ON THE SURFACE OF DIVERTOR IN EAST	Cong Li (Dalian University of Technology)
3149	Posters 2	B-57	ESTABLISHING AFRICAN FUSION ENERGY RESEARCH CONSORTIUM: CAPACITY BUILDING AND INNOVATION PATHWAY	Umar F Ahmad
3156	Posters 2	B-58	Preliminary design and development of neutron activation system on CN HCCB TBS	Qijie Wang (SouthWestern Institute of Physics)
3163	Posters 2	B-59	LOW-THRESHOLD ABSOLUTE PARAMETRIC DECAY INSTABILITY IN X2-MODE ECRH EXPERIMENTS AND THE MISSING POWER EFFECT	Evgenii Gusakov (Ioffe Institute)
3204	Posters 2	B-60	Helium Cooled Ceramic Breeder Testing Blanket System Heat Release and Tritium Release for the ITER New Baseline DT-1 Scenario in the Port Cell	RuYan Li (Southwestern Institute of Physics)
3224	Posters 2	B-61	Design and Testing of Quench Protection System for ITER Magnet Cold Test Bench	Wei Tong
3239	Posters 2	B-62	DESIGN AND CHALLENGE FOR ITER DIVERTOR LANG MUIR PROBE	Lin Nie (Southwestern Institute of Physics)
3248	Posters 2	B-63	COMMISSIONING OF THE CHINESE LARGEST SUPERCONDUCTING HIGH-FLUX LINEAR PLASMA DEVICE SWORD	Haishan Zhou (Institute of Plasma Physics, Chinese Academy of Sciences)
3256	Posters 2	B-64	A novel Multi-Timescale strategy for Fusion Systems Codes and its impact to parametric analyses of Fusion Power Plants	Tiago Pomella Lobo (Karlsruhe Institute of Technology (KIT))
3269	Posters 2	B-65	Alphaparticle generation and confinement in D-3He scenarios in JT-60SA	Rui Miguel Dias Alves Coelho (Instituto de Plasmas e Fusão Nuclear, Instituto Superior Técnico, Universidade de Lisboa, Portugal)
3277	Posters 2	B-66	Evaluating economic, environmental, and social impacts of adopting fusion energy in Saudi Arabia	Ibrahim Alrammah (Research, Development and Innovation Authority)
3283	Posters 2	B-67	Development of ITER Divertor Outer Vertical Target	Makoto Fukuda (National Institutes for Quantum Science and Technology)
3314	Posters 2	B-68	Experimental and Simulation Study of Plasma Detachment in the Linear Plasma Device MPS-LD	Chaofeng Sang (Dalian University of Technology)

Poster Session 3 (8:30-12:20, 16 Oct)

ID	Session	Board Number		Presenters (affiliation)
3411	Posters 3	B-01	Hierarchy of turbulent transport models with the SOLEDGE3X code	Hugo Bufferand (CEA)
3414	Posters 3	B-02	Validated, global edge-SOL turbulence simulations in various ELM-free regimes	Wladimir Zholobenko (Max Planck Institute for Plasma Physics)
3415	Posters 3	B-03	Integrated Modelling activities in support of the ITER re-baseline	Mireille SCHNEIDER (ITER Organization)
3416	Posters 3	B-04	High performance ELM-free semi-detached scenario sustained at high-current in JET DTE3	Carine Giroud (UKAEA)
3419	Posters 3	B-05	The physics of ELM-free regimes in EUROfusion tokamaks	Michael Dunne (IPP-Garching)
2923	Posters 3	B-06	EXPERIMENTAL AND NUMERICAL STUDY OF BROAD WAVENUMBER TURBULENCE AND TRANSPORT IN ION INTERNAL TRANSPORT BARRIER PLASMAS ON EAST	Pengjun Sun (Institute of plasma physics, Chinese Academy of Sciences)
2929	Posters 3	B-07	BREAKING OF THE ION TEMPERATURE CLAMPING IN ELECTRON HEATED PLASMAS WITH TURBULENCE STABILIZATION	Pierre Manas (CEA, Cadarache)
2714	Posters 3	B-08	Beamlet divergence of research and development negative ion source with RF mode at NIFS	Haruhisa Nakano (National Institute for Fusion Science, National Institutes of Natural Sciences)
2660	Posters 3	B-09	How the tail wags the dog' : physics of edge-core coupling by inward turbulence propagation	Mingyun Cao (University of California, Los Angeles)
3226	Posters 3	B-10	TURBULENCE AND TRANSPORT DEPENDENCE ON TEMPERATURE RATIO WITH TE/TI 1-1.5 IN EAST H-MODE PLASMA	Pan Li (Institute of Plasma Physics, Chinese Academy of Science)
2962	Posters 3	B-11	ELECTRON CYCLOTRON HEATED LOW TO HIGH MODE TRANSITION IN KSTAR	Hogun Jhang (Korea Institute of Fusion Energy), Minjun Choi (Korea Institute of Fusion Energy)
2836	Posters 3	B-12	Global gyrokinetic simulations of isotope effects for future tokamak plasma core and pedestal	Lei Qi (Korea Institute of Fusion Energy)
2705	Posters 3	B-13	Progress on nonlinear MHD modeling of flux pumping and hybrid scenario for ASDEX Upgrade plasmas	Haowei Zhang (Max Planck Institute for Plasma Physics)
3107	Posters 3	B-14	Dynamic Evolution of Pellet Fueling from Ablation Cloud to Reheat Mode in Heliotron J	Shinichiro Kado (Institute of Advanced Energy, Kyoto University)
2860	Posters 3	B-15	THE FINAL DESIGN ACCOMPLISHMENT OF THE EC UPPER LAUNCHER AND EX-VESSEL WAVEGUIDE SYSTEMS FORITER	Sandra Julia Torres (Fusion for Energy)
3342	Posters 3	B-16	THE ESTABLISHMENT OF THE SYNTHETIC DIAGNOSTIC MODELING SPECIFICALLY FOR THE IMAGING NEUTRAL PARTICLE ANALYZER ON THE EAST	Jiayi Zhang
2804	Posters 3	B-17	CONFINEMENT MODELLING OF ENHANCED PLASMA PERFORMANCE AFTER MULTIPLE PELLET INJECTIONS IN THETJ-II STELLARATOR	Victor Tribaldos (Universidad Carlos III de Madrid)
3125	Posters 3	B-18	THE IMPURITY BEHAVIORS AND TRANSPORT ANALYSIS OF HL-2A AND HL-3 PLASMAS	Liang Liu (Southwestern Institute of Physics)
2892	Posters 3	B-19	Exploitation of stable high-Ip regime under new tungsten divertor environment in KSTAR	Boseong Kim (Seoul National University), Sang-hee Hahn (Korea Institute of Fusion Energy)
2830	Posters 3	B-20	Fuel supply and helium ash exhaust in global gyrokinetic ITG/TEM turbulence	Kenji Imadera (Kyoto University)
2912	Posters 3	B-21	Flux Pumping in ASDEX Upgrade, JET and JOREK	Alexander Bock (Max Planck Institute for Plasma Physics)
2747	Posters 3	B-22	How MeV-range ions and high will shape the core plasma dynamics of fusion power plants	Samuele Mazzi (CEA, IRFM, F-13108 Saint Paul-lez-Durance, France)
2982	Posters 3	B-23	PROGRESS OF CRAFT NEGATIVE ION SOURCE NEUTRAL BEAM INJECTION TEST FACILITY	Jianglong Wei (Institute of Plasma Physics, Chinese Academy of Sciences)
3130	Posters 3	B-24	HELIUM ASH REMOVAL: COMPREHENSIVE EFFECTS OF ALPHA PARTICLES ON THE SOURCE AND TRANSPORT OF HELIUM ASH	Weixin Guo (Huazhong University of Science and Technology)
2865	Posters 3	B-25	GAM FREQUENCY STRUCTURE AND PROPERTIES IN OHMIC AND POWERFUL ECR-HEATED PLASMAS IN A TOKAMAK	Alexander Melnikov (NRC 'Kurchatov Institute')
2763	Posters 3	B-26	Qualification of the European gyrotrons and power supplies of the Electron Cyclotron Heating and Current Drive system of ITER	Ferran Albajar (Fusion for Energy)
3143	Posters 3	B-27	FDTD SIMULATION OF THE PROPAGATION CHARACTERISTICS OF MILLIMETER-WAVE VORTEX IN MAGNETIZED PLASMA	Chenxu Wang
2867	Posters 3	B-28	The construction and commissioning of the Electron Bernstein Wave Heating and Current-Drive System for MAST-U	Philippe Jacquet (UKAEA)
2798	Posters 3	B-29	Lagrangian statistics of heavy impurity transport in drift-wave turbulence	Zetao Lin (Aix-Marseille University)
3110	Posters 3	B-30	Energetic-electron-driven Geodesic Acoustic Mode Interaction with Microtearing Mode for Improved Confinement on HL-3 Tokamak	Shiqin Wang (Southwestern Institute of Physics)
2653	Posters 3	B-31	Reconstructing the Plasma Boundary with a Reduced Set of Diagnostics	Maxim Nurgaliev (Next Step Fusion)
3004	Posters 3	B-32	Neural network reduced models for plasma turbulence	Zhisong Qu (Nanyang Technological University)
3177	Posters 3	B-33	ENHANCED SURGE PROTECTIONS FOR DC ULTRA-HIGH VOLTAGE POWER SUPPLY FOR ITER NBI	Shoichi Hatakeyama (National Institutes for Quantum Science and Technology)
2635	Posters 3	B-34	Global eigenmode structure of linear drift-wave instabilities on flux surfaces in stellarators	Hongxuan Zhu (Princeton University)
2701	Posters 3	B-35	DESIGN OF THE ELECTRON CYCLOTRON HEATING EXPANSION SYSTEM ON EAST	Weiye Xu (Institute of Plasma Physics, Chinese Academy of Sciences)
2715	Posters 3	B-36	Repetitive generation of hydrogen negative ion beams with initial target parameters for the ITER HNB	Masashi Kisaki (National Institutes for Quantum Science and Technology)
2792	Posters 3	B-37	OVERVIEW OF THE DESIGN AND PROCUREMENT OF ECRH SYSTEM FOR DTT	Saul Garavaglia (Institute for Plasma Science and Technology, National Research Council (ISTP-CNR), Milano, Italy)
2805	Posters 3	B-38	THE WENDELSTEIN 7-X ECRH PLANT- EXPERIENCE WITH RELIABLE LONG PULSE OPERATION OF A MULTI MWGYROTRONINSTALLATION	Stefan Marsen (Max-Planck-Institut für Plasmaphysik Teilinstitut Greifswald)
2816	Posters 3	B-39	THE STATUS AND DESIGN CHALLENGES OF THE HEATING AND CURRENT DRIVE SYSTEMS FOR DTT	Afra Romano (DTT - ENEA, C.R. Frascati, Italy)
2824	Posters 3	B-40	Fast ion transport simulations for the Spherical Tokamak for Energy Production	Antti Snicker (VTT Technical Research Centre of Finland Ltd.)
2838	Posters 3	B-41	Extrapolative Predictability of Plasma Turbulent Transport via a Multi-Fidelity Data Fusion Approach	Shinya Maeyama (National Institute for Fusion Science)
2880	Posters 3	B-42	Evaluation of plasma performance in JA DEMO steady-state operation	Shota Sugiyama
2885	Posters 3	B-43	Can turbulent transport in optimized stellarators be lower than tokamaks	Haotian Chen (Peking Univeisity)
3236	Posters 3	B-44	Development and validation of magneto-hydrodynamic turbulence models for the thermal-hydraulic design of ARC-class fusion reactor liquid blankets	roberto zanino (dipartimento energia, politecnico di torino)
2889	Posters 3	B-45	PARTICLE TRANSPORT OF OHMIC DISCHARGES WITH DIFFERENT PLASMACURRENTINEASTTOKAMAK	SHOUXIN WANG (Institute Of Plasma Physics Chinese Academy Of Sciences)
2895	Posters 3	B-46	IMPROVEMENT OF PLASMA PERFORMANCE BY EDGE ECRHPOWERDEPOSITIONINEAST	yongliang Li (ASIPP)
2896	Posters 3	B-47	STRAY RF EVALUATION AND DESIGN IMPROVEMENTON THE ITER EQUATORIAL E CH	Satoru Yajima (National Institutes for Quantum Science and Technology)
2906	Posters 3	B-48	Study on the key technologies involved in the laser neutralisation of negative ion source	Yuan-lai Xie, huihui hong
2936	Posters 3	B-49	DATA-EFFICIENT DIGITAL TWINNING STRATEGIES AND SURROGATE MODELS OF QUASILINEAR TURBULENCE IN JET ANDSTEP	Lorenzo Zanisi (CCFE)
2949	Posters 3	B-50	Exploration of emission spectra from highly charged tungsten impurity ions in X-ray wavelength range of 3.7: 4.0 Å in the Large Helical Device for fusion plasma diagnostics	Tetsutarou Oishi (Tohoku University)
2952	Posters 3	B-51	EFFECT OF DECREASING ASPECT RATIO ON ION-SCALE ELECTROSTATIC DRIFT-TYPE MODES AND PEDESTAL STABILITY IN H-MODEPLASMAS	Jin yong Kim (Korea Institute of Fusion Energy)
2958	Posters 3	B-52	Prediction of heat fluxsplitting by non-axisymmetric magnetic field in the realistic tokamak wall and divertor based on 3D CAD model	Kimin Kim (Korea Institute of Fusion Energy)
2968	Posters 3	B-53	IMPACT OF THE TEMPERATURE RATIO ON TURBULENCE AND IMPURITY TRANSPORT IN THE EAST PLASMA CORE	Gongshun Li (Institute of Plasma Physics, Chinese Academy of Sciences)
2990	Posters 3	B-54	Performance MT-I spherical tokamak with upgraded power supplies system	Sarfraz Ahmad (Pakistan Tokamak Plasma Research Institute)
3027	Posters 3	B-55	INTEGRATED NUMERICAL ANALYSIS OF IMPURITY TRANSPORT AND SOURCES FOR HIGH CURRENT: HIGH POWER BASELINE PULSES WITH T IN JET-ILW	Irena Ivanova-Stanik (Institute of Plasma Physics and Laser Microfusion)
3030	Posters 3	B-56	Technologies of high voltage neutral beam injectors for magnetic fusion devices	oleg sotnikov (BINP)
3032	Posters 3	B-57	EFFECTS OF INTER-ELM QUASI-COHERENT MODES ON THE DYNAMICS OF PEDESTAL TURBULENCE ON HL-2A TOKAMAK	Zhongbing Shi (Southwestern Institute of Physics)
3035	Posters 3	B-58	MACHINE LEARNING AIDED NEUTRON YIELD FOR DUD DETECTION BASED ON JET AND TFTR DEUTERIUMTRITIUM PLASMAS	Lidia piron (Dipartimento di Fisica e Astronomia, Università degli Studi di Padova)
3041	Posters 3	B-59	IMPACT OF LI-GRANULE INJECTION ON THE IMPROVEMENT OF BULK ENERGY AND PARTICLE TRANSPORT AND EXPULSION OF MID/HIGH-Z IMPURITIES IN THE LHDHELIOTRON	Daniel Medina Roque (CIEMAT)
3050	Posters 3	B-60	First fast ion measurements by the collective Thomson scattering and ion cyclotron emission diagnostics at Wendelstein 7-X.	Dmitry Moseev (Max-Planck-Institut für Plasmaphysik)
3063	Posters 3	B-61	FIRST EXPERIMENTAL OBSERVATION OF "STAIRCASE" HIGHCONFINEMENTMODEINTOKAMAKPLASMA	Yi Zhang
3232	Posters 3	B-62	The 4C code as a candidate tool for the qualified analysis of superconducting magnets in the licensing of nuclear fusion reactors	roberto zanino (dipartimento energia, politecnico di torino)
3070	Posters 3	B-63	RFX-mod2 and the NEFERTARI project: a diffuse infrastructure for the study of magnetically confined plasmas for fusion	Lionello Marrelli (Consorzio RFX)
3114	Posters 3	B-64	Influence of resonant magnetic perturbation on flow and turbulence dynamics towards L-H transition in HL-3	Min Jiang (Southwestern Institute of Physics)
3126	Posters 3	B-65	Progress in the concept development of the VNS- a beamdriven tokamak for component testing	CHRISTIAN Bachmann (EUROfusion)
3150	Posters 3	B-66	DEVELOPMENT AND FUTURE PLAN OF THE NEGATIVE HYDROGENIONSOURCESFORNBIATSWIP	Miao Zhao (Southwestern Institute of Physics)
3197	Posters 3	B-67	CompletionofManufacturingandTestingof8ITERGyrotrons with its Auxiliary Systems	Ken Kajiwara (National Institutes for Quantum and Radiological Science and Technology)
3210	Posters 3	B-68	Ion Doppler Spectroscopy System on the SUNIST-2 Spherical Tokamak	Menghua Yang (Startorus Fusion Ltd)
3345	Posters 3	B-69	Non-inductive high-performance discharges on TCV on the path to steady state	Stefano Coda (CRPP-EPFL)

Poster Session 4 (14:00-17:50, 16 Oct)

ID	Session	Board Number		Presenters (affiliation)
3413	Posters 4	B-01	The physics basis for implementing Alternative Divertor Configurations on reactors	Kevin Verhaegh (CCFE)
3420	Posters 4	B-02	WEST LONG-PULSE ACHIEVEMENTS IN SUPPORT OF NEXT-STEP FUSION DEVICES	Remi Dumont (CEA, IRFM)
3421	Posters 4	B-03	DEVELOPMENT OF HIGH-PERFORMANCE LONG-PULSE DISCHARGE IN KSTAR	HYUNSEOK KIM (Korea Institute of Fusion Energy (KFE))
3422	Posters 4	B-04	Attaining Tokamak level performance through plasma density profile shaping at Wendelstein 7-X	Sebastian Bannmann (MPI for Plasma Physics)
3424	Posters 4	B-05	DEVELOPMENT OF STEADY-SATE OPERATION SCENARIOS WITH FULL TUNGSTEN LIMITER/DIVERTOR IN ITER-RELEVANT CONFIGURATION ON EAST	Juan Huang (CnIPPCAS)
3425	Posters 4	B-06	Prediction of the implosion dy namics via AI enhanced simulations for the Double-Cone Ig nition Scheme	Fuyuan Wu (Shanghai Jiao Tong University)
3426	Posters 4	B-07	DEVELOPMENT OF INNOVATIVE REPEATABLE POWER LASER FOR LASER FUSION	Jumpei Ogino (Osaka university)
3427	Posters 4	B-08	HIGH GAIN FUSION BURNING IN INERTIAL CONFINEMENT FUSION PLASMA	Yasunobu Arikawa (Institute of Laser Engineering, Osaka University)
3428	Posters 4	B-09	Foams as a Pathway to Energy from Inertial Fusion (FoPIFE): overview of recent results	sebastien Le Pape (Ecole Polytechnique)
3429	Posters 4	B-10	TARGETS DEVELOPED IN THE 21ST CENTURY AT THE P.N. LEBEDEV PHYSICAL INSTITUTE OF RAS TO STUDY THE EXTREME MATTER PHYSICS USING HIGH-POWER LASER FACILITIES	Nataliya Borisenko (P.N. Lebedev Physical Institute of the Russian Academy of Sciences)
3437	Posters 4	B-11	FIRST EDGE-LOCALIZED MODE SUPPRESSION WITH LOWER HYBRID WAVES ON THE EAST TOKAMAK	Shaocheng Liu (Donghua University)
3442	Posters 4	B-12	Modelling divertor solutions for power exhaust: in-depth experimental validation in TCV	Elena Tonello (Ecole Polytechnique Fédérale de Lausanne (EPFL) - Swiss Plasma Center (SPC))
3539	Posters 4	B-13	LONG-PULSE ELM-FREE H-MODE REGIME WITH FEEDBACK-CONTROLLED DETACHMENT UNDER BORONIZED METAL WALL IN EAST	Guosheng Xu (Institute of Plasma Physics, Chinese Academy of Sciences)
2639	Posters 4	B-14	STATUS OF THE DEVELOPMENT OF A TRITIUM FUEL CYCLE FOR LONG-TERM TOKAMAK OPERATION	sergey ananyev (nrc Kurchatov institute)
2657	Posters 4	B-15	NEOCLASSICAL THEORY ON LOW FREQUENCY DRIFT ALFVÉN WAVES	Yang Li (Shouthwestern Insitite of Physics)
2664	Posters 4	B-16	The benchmark database of experiments, nuclear, and technological data for hybrid fusion systems with various types of blankets	Mikhail Shlenskii
2673	Posters 4	B-17	PHYSICS BASIS OF DISCREPANCIES BETWEEN TEMPERATURE MEASUREMENTS BY ECE AND THOMSON SCATTERING IN HIGH PERFORMANCE PLASMAS ON JET,EAST AND DIII-D	Francesco Orsitto
2680	Posters 4	B-18	10-HZ-INJECTION AT A LASER FOCUS OF TARGETS ACCELERATED INTO SPRING-HTSC-MAGLEV SYSTEM	Elena Koresheva (P.N.Lebedev Physical Institute of Russian Academy of Sciences (LPI))
2681	Posters 4	B-19	THE STUDY OF ALFVÉN EIGENMODES ON THE SPHERICAL TOKAMAK GLOBUS-M2 USING DOPPLER BACKSCATTERING	Anna Ponomarenko (Peter the Great St.Petersburg Polytechnic University (SPbPU))
2682	Posters 4	B-20	FIRST RESULTS OF EHO-LIKE FLUCTUATIONS STUDIES AT THE SPHERICAL TOKAMAK GLOBUS-M2	Alexander Yashin (Peter the Great St.Petersburg Polytechnic University)
2688	Posters 4	B-21	QUANTITATIVE EVALUATION OF BEAM LOSS BASED ON RADIATION DETECTION IN HIGH-DUTY BEAM COMMISSIONING OF LIPAC RFQ	Kohki Kumagai (QST)
2702	Posters 4	B-22	Effect of ECH on Energetic-Particle-Driven MHD Modes in Heliotron J	Kazunobu Nagasaki (Institute of Advanced Energy, Kyoto University)
2706	Posters 4	B-23	MEASUREMENT OF NUCLEAR REACTION CROSSSECTION FOR THERMONUCLEAR APPLICATIONS	Marina Bikchurina (Budker Institute of Nuclear Physics)
2707	Posters 4	B-24	Observation of non-collisional ion heating in helical plasmas under dominant electron heating condition by neutral beam injection on LHD	Kazuo Toi (National Institute for Fusion Science, Toki, Japan)
2728	Posters 4	B-25	Laser-driven non-thermal aneutronic Proton-Boron fusion reactions in solid-density plasma	Ryunosuke Takizawa (The University of Osaka)
2730	Posters 4	B-26	EXPERIMENTAL UPDATE ON THE COUNTERILLUMINATING FAST IGNITION SCHEME USING THE KJ-CLASS ULTRA-INTENSE LASER LFEX	Yoshitaka Mori (The Graduate School for the Creation of New Photonics Industries)
2731	Posters 4	B-27	10-HZ LASER BEAM STEERING AND ILLUMINATION FOR FREE-FALL TARGETS	Kazuki Matsuo (EX-Fusion Inc.)
2751	Posters 4	B-28	Validation of Tungsten Nuclear Data Using the TUD-W benchmark	Fabbri Fabbri (Fusion For Energy)
2752	Posters 4	B-29	INVESTIGATION OF FILAMENT DYNAMICS USING HIGHSPEED VIDEO SHOOTING IN THE GLOBUS-M2 TOKAMAK	Vladimir Timokhin (Saint-Petersburg State Polytechnical University)
2770	Posters 4	B-30	INVESTIGATING LONG-DURATION PLASMA OPERATION WITH THE INTERNATIONAL MULTI-MACHINE DATABASE	xavier Litaudon (CEA)
2779	Posters 4	B-31	Hybrid simulation of Alfvén eigenmodes caused by multiple fast ion species in the Large Helical Device	RYOSUKE SEKI (National Institute for Fusion Science)
2783	Posters 4	B-32	NON-INDUCTIVE PLASMA START-UP USING ELECTRON BERNSTEIN WAVE MODE-CONVERTED FROM ELECTRON CYCLOTRON WAVE LAUNCHED FROM HIGH-FIELD SIDE ON SPHERICAL TOKAMAK, QUEST	kazuaki Hanada (Advanced Fusion Research Center, Research Institute for Applied Mechanics, Kyushu University)
2787	Posters 4	B-33	OBSERVATION OF NONLINEAR COUPLING OF WAVES EXCITED AT DISTINCT REGIONS OF OVERLAPPING DUAL LOWER HYBRID AND ION CYCLOTRON RESONANCES	Hiroe Igami (National Institute for Fusion Science)
2812	Posters 4	B-34	STUDY OF FAST ION TRANSPORT AND LOSSES DURING ALFVÉN TYPE MHD INSTABILITIES AT GLOBUS-M2	Olga Skrekel (Ioffe Institute, Russia)
2815	Posters 4	B-35	OPENMC BASED SIMULATIONS FOR SHUTDOWN DOSE RATE ASSESSMENT IN THE DEMO FUSION REACTOR	Roman Afanasenko
2819	Posters 4	B-36	HEATING D IONS TO OPTIMAL D-T FUSION ENERGIES WITH ICRF WAVES	Ernesto Lerche (Laboratory for Plasma Physics, ERM/KMS)
2832	Posters 4	B-37	Noninductive Startup of Spherical Tokamak with Reduced Trapped Electrons by Electron Bernstein Wave Heating and Current Drive on LATE	Masaki Uchida (Kyoto University)
2834	Posters 4	B-38	Progress with commissioning the icrh system for the large optimized stellarator wendelstein 7-x	Jozef ONGENA (Plasma Physics Lab, ERM-KMS, Brussels)
2877	Posters 4	B-39	Evaluation of solid spherical fuel compression by comparison with simulation	Ryunosuke Takizawa (The University of Osaka)
2894	Posters 4	B-40	Experimental study of EPM instability in the EAST off-axis region with elevated safety factor (q) value	Ming Xu (Institute of Plasma Physics, Chinese Academy of Sciences)
2900	Posters 4	B-41	Global Electromagnetic Symmetry-Breaking Effects on Momentum Transport and Current Generation in Tokamaks	Zhixin Lu (Max Planck Institute for Plasma Physics)
2910	Posters 4	B-42	THE EFFECT OF GAS PUFFING AT THE LH GRILL ON THE EFFICIENCY OF THE CENTRAL DENSE PLASMA ION HEATING AT THE FT-2 TOKAMAK	Denis Kuprienko (Ioffe Institute)
2913	Posters 4	B-43	NEUTRAL BEAM INJECTION FOR ELECTRON HEATING OF GLOBUS-M2 SPHERICAL TOKAMAK’ S PLASMA	Gleb Kurskiev (Ioffe Institute)
2917	Posters 4	B-44	Control of energetic particle modes on the TCV tokamak	Anton Jansen van Vuuren (Swiss Plasma Center EPFL)
2921	Posters 4	B-45	Neutronics Analysis of EU DEMO Conducted at the Lithuanian Energy Institute	Simona Breidokaite (Lithuanian Energy Institute, Laboratory of Nuclear Installation Safety)
2951	Posters 4	B-46	Fusion-Alpha-Enhanced Displacement and Stability of ITER Helical Core Plasmas	Panith Adulsiriswad (National Institute for Quantum Science and Technology)
2957	Posters 4	B-47	Nonlinear saturation of toroidal Alfvén eigenmode via ion induced scattering in nonuniform plasmas	Zhiyong Qiu (Institute of Plasma Physics, Chinese Academy of Sciences)
2964	Posters 4	B-48	APPLICATION AND ANALYSIS OF THE REVISED ACCURATE WEIGHT METHOD FOR FUSION FACILITIES	Do Hyun KIM (Korea Institute of Fusion Energy)
2966	Posters 4	B-49	DESIGN-BASED MULTIDIMENSIONAL TRITIUM TRANSPORT ANALYSIS PLATFORM FOR BLANKET SYSTEM	Yonghee Lee (Korea Institute of Fusion Energy)
2973	Posters 4	B-50	ANALYSIS OF BACKGROUND PLASMA BEHAVIOR UNDER EXTERNAL FIELDS IN THE LOW ENERGY BEAM TRANSPORT SECTION OF LIPAC	Tomonobu Itagaki (QST)
2981	Posters 4	B-51	LOWER DENSITY LIMIT FOR ACCESSING TO ELM SUPPRESSION USING N=4 RMP IN EAST	Youwen Sun (Institute of Plasma Physics, Chinese Academy of Scienses)
2996	Posters 4	B-52	EFFECT OF ELECTRON CYCLOTRON WAVES ON PLASMA WITH RUNAWAY ELECTRONS	Pavel Aleynikov (Max-Planck-Institut für Plasmaphysik)
3006	Posters 4	B-53	Investigation of double frequency fishbone in EAST with neutral beam injection	Wei Shen (Institute of Plasma Physics, Chinese Academy of Sciences)
3021	Posters 4	B-54	RADIOLOGICAL SAFETY ASSESSMENTS FOR FUSION NEUTRON SOURCE IN ENGINEERING DESIGN ACTIVITIES UNDER IFMIF/EVEDA PROJECT	Shunsuke Kenjo (National Institutes for Quantum Science and Technology)
3026	Posters 4	B-55	INVESTIGATION OF IMPURITY BEHAVIOUR IN THREEION ICRF SCENARIOS IN H-D AND D-T PLASMAS AT JET	Agata Chomiczewska (IPPLM)
3047	Posters 4	B-56	Non-Inductive Current Start-up and Optimized Ramp-up in EXL-50U for Next-Generation Spherical Torus Devices	xinchen Jiang (ENN Science and Technology Development Co., Ltd.)
3051	Posters 4	B-57	Drift-kinetic and fully kinetic simulations of plasma waves based on a geometric Particle-In-Cell discretization of the Vlasov-Maxwell system	Guo Meng (Max Planck Institute for Plasma Physics)
3054	Posters 4	B-58	FEASIBILITY STUDY OF TUNGSTEN-WATER/AIR REACTION IN DEMO CONDITIONS	Damiano Capobianco (RINA CSM)
3060	Posters 4	B-59	Experimental observations of magnetohydrodynamic instabilities in HL-3 low-current high-?N plasmas	Liming Yu (Southwestern Institute of Physics)
3061	Posters 4	B-60	OBSERVATION OF HIGH-FREQUENCY OSCILLATIONS IN THE TUMAN-3M OHMIC PLASMAS	Sergei Lebedev (Ioffe Institute)
3076	Posters 4	B-61	Alpha particle velocity space and orbit sensitivity of gamma-ray spectroscopy diagnostics based on the 10B(α, pγ)13Creaction	Massimo Nocente (Dipartimento di Fisica, Università di Milano-Bicocca)
3098	Posters 4	B-62	ICRF ANTENNA DESIGN FOR THE HL-3 TOKAMAK	LingFeng Lu (Southwestern institute of physics)
3109	Posters 4	B-63	EFFECTS OF ZONAL FIELDS ON ENERGETIC-PARTICLE EXCITATIONS OF REVERSED-SHEAR ALFVÉN EIGENMODES	Ruirui MA (Southwestern Institute of Physics)
3119	Posters 4	B-64	Pressure gradient driven core-localized electromagnetic instability in the plasma with a weak magnetic shear on HL-2A tokamak	peiwan shi (Southwestern Institute of Physics)
3137	Posters 4	B-65	ION AND ELECTRON HEATING VIA MAGNETIC RECONNECTION DURING MERGING/COMPRESSION PLASMA STARTUP IN ST40	Hiroshi Tanabe (Graduate school of frontier sciences, university of Tokyo)
3139	Posters 4	B-66	FAST ION TRANSPORT INDUCED BY EDGE LOCALIZED MODES	Haotian Chen (Southwestern Institute of Physics)
3147	Posters 4	B-67	PROGRESS OF LOWER HYBRID CURRENT DRIVE EXPERIMENT TOWARDS LONG-PULSE OPERATION ON EAST	Miaohui LI (Institute of Plasma Physics,Chinese Academy of Sciences (ASIPP))
3152	Posters 4	B-68	Recent Experiments and Development of LHCD system on HL3	Xingyu Bai (CnSWIP)
3158	Posters 4	B-69	A New Eigenvalue Solver for Electrostatic Drift-Wave Instabilities in Tokamaks	Jie Wang (University of Science and Technology of China)
3190	Posters 4	B-70	Radiation shielding analysis of IFMIF-DONES Test Cell and adjacent rooms	Arkady Serikov (Karlsruhe Institute of Technology (KIT))
3198	Posters 4	B-71	Realization of direct internal recycling for DEMO fuel cycle based on a novel cryopump configuration	Zhaoxi Chen (ASIPP)
3207	Posters 4	B-72	NATURAL SMALL ELMS ACHIEVED AT LOW PEDESTAL COLLISIONALITY (ve*,ped<1) IN A METAL WALL ENVIRONMENT ON EAST	Y.F. Wang (ASIPP)
3213	Posters 4	B-73	IN-SITU CALIBRATION OF NEUTRON FLUX MONITOR FOR HL-3 TOKAMAK	Guoliang Yuan (Southwestern Institute of Physics)
3252	Posters 4	B-74	Kinetic modeling of interactions among drift-Alfven instability, continuous spectrum and energetic particle in fusion experiments	Jian Bao (Institute of Physics, Chinese Academy of Sciences)
3263	Posters 4	B-75	Theoretical Model for the Experimentally Observed GAM’ s Satellites	Ekaterina Sorokina (National Research Center "Kurchatov Institute")
3264	Posters 4	B-76	AVERAGE MAGNETIC DRIFT MODEL FOR ION TEMPERATURE GRADIENT DRIVEN INSTABILITY IN TOKAMAKS	Baobao Jia
3304	Posters 4	B-77	THE RESEARCH OF THE STABILITY OF REVERSED SHEAR ALFVÉN EIGENMODES EXCITED BY ENERGETIC PARTICLES IN HL-2A	Wenyang Li (Nankai University)
3307	Posters 4	B-78	IMPACT OF NEUTRAL PARTICLES ON BEAM-ION LOSSES IN EAST TOKAMAK	zixin Zhang (ASIPP)
3333	Posters 4	B-79	Insights from fast-ion physics studies on JET in support of JT60SA and ITER rebaseline	Yevgen Kazakov (Laboratory for Plasma Physics, LPP-ERM/KMS)
3339	Posters 4	B-80	ENERGETIC PARTICLE DISTRIBUTIONS FOR QUANTITATIVE CALCULATIONS OF BURNING PLASMA STABILITY	Simon Pinches (ITER Organization)
3350	Posters 4	B-81	Challenges and Achievements in IFMIF-DONES Neutronics Activities	Yuefeng Qiu (Karlsruhe Institute of Technology)
3358	Posters 4	B-82	ANALYSIS OF FAST ION DISTRIBUTIONS USING NEUTRON EMISSION SPECTROSCOPY IN NBI-ICRF SYNERGISTIC HEATING PLASMA ON EAST	Andong Xu (School of Physics, Peking University, Beijing, China)

Poster Session 5 (8:30-12:20, 17 Oct)

ID	Session	Board Number		Presenters (affiliation)
3438	Posters 5	B-01	NEW UNDERSTANDING OF RESONANT LAYER RESPONSE VIA EXTENDED DRIFT MHD	Jong Kyu Park (Seoul National University)
3441	Posters 5	B-02	FIRST SOLPS-ITER WIDE GRID SIMULATIONS OF THE ITER BURNING PLASMA SCRAPEOFF LAYER	Elizaveta Kaveeva (Peter the Great St. Petersburg Polytechnic University)
3447	Posters 5	B-03	THE DIVERTOR TOKAMAK TEST FACILITY: MACHINE DESIGN, CONSTRUCTION AND COMMISSIONING	Gian Mario Polli (ENEA, DTT Scarl)
3448	Posters 5	B-04	WEST OPERATION: RELIABILITY AND AVAILABILITY OF A LONG PULSE FUSION TOKAMAK	Valerie LAMAISON (CEA Cadarache)
3449	Posters 5	B-05	Design and qualification activity of the first divertor of the DIVERTOR TOKAMAK TEST FACILITY	Selanna Roccella (ENEA)
3450	Posters 5	B-06	ACTIVELY COOLED PLASMA FACING COMPONENTS DESIGN FOR W7-X AND JT-60SA IN SUPPORT OF THE ITER DIVERTOR	Marianne Richou
3452	Posters 5	B-07	PERFORMANCE EVALUATION OF TUNGSTEN FIBER-REINFORCED TUNGSTEN COMPOSITES DEVELOPED AT SWIP FOR APPLICATION IN NUCLEAR FUSION REACTORS	Juan Du (Southwestern Institute of Physics (SWIP))
2640	Posters 5	B-08	ELIMINATING TOKAMAK MAJOR DISRUPTIONS WITH FEEDBACK	Henry Strauss (HRS Fusion)
2672	Posters 5	B-09	Modelling of H-mode EAST edge plasma with impurity seeding by SOLPS-ITER 3.2.0 on wide grid	Ilya Senichenkov (Peter the Great Saint Petersburg Polytechnic University)
2686	Posters 5	B-10	Research on the relationship between microstructure and mechanical properties of CHSN01 jacket under cold deformation	Yifei Wu (Hefei Institutes of Physical Science, Chinese Academy of Sciences)
2690	Posters 5	B-11	DISRUPTIONS AND MHD INSTABILITIES OBSERVED IN THE INITIAL OPERATION PHASE OF JT-60SA	Tatsuya Yokoyama (Naka Institute, National Institutes for Quantum and Radiological Science and Technology)
2692	Posters 5	B-12	CHARACTERISTICS OF RUNAWAY ELECTRON LOSS IN THE INTEGRATED COMMISSIONING OF JT-60SA	Shuhei Sumida (National Institutes for Quantum Science and Technology, Naka, Ibaraki, Japan)
2695	Posters 5	B-13	Development of pure boron pellet for fusion reactor	Hiroyuki Noto (National Institues for Fusion Science)
2698	Posters 5	B-14	Frequency Hysteresis of MHD Instabilities in Helical and Tokamak Plasmas	Yuki Takemura (National Institute for Fusion Science)
2708	Posters 5	B-15	Verification of energetic and angular distributions of nuclear fusion products in plasmas	Pavel Goncharov (Peter the Great St. Petersburg Polytechnic University)
2719	Posters 5	B-16	PROGRESS IN PLASMA-WALL INTERACTIONS MODELLING FOR EU-DEMO	Sebastijan Brezinsek (Forschungszentrum Jülich)
2745	Posters 5	B-17	LIQUID METAL DROPLETS SYSTEMS FOR APPLICATION IN TOKAMAKS AND PLASMA DEVICES	Alexey Dedov (NRU "MPEI")
2764	Posters 5	B-18	Starting DTT infrastructures construction at ENEA Frascati Site	Gianmario Polli (DDT Project)
2799	Posters 5	B-19	Experimental analyses and numerical modelling of trace neon shattered pellet injection discharges on JET	Mengdi Kong (EPFL-SPC)
2801	Posters 5	B-20	Effect of collision processes in divertor plasma on the tokamak operational window	Daisuke Umezaki (National Institutes for Quantum Science and Technology)
2807	Posters 5	B-21	CRYOPUMP AND FUELLING LOCATION IMPACTS ON UPSTREAM DENSITY AND DETACHMENT ON MAST-U	Qian Xia (Culham Centre for Fusion Energy)
2829	Posters 5	B-22	MULTI-SCALE INTERATION NEAR LOCKED MAGNETIC ISLANDS AND RESULTING DISRUPTION DELAY IN KSTAR	Jayhyun Kim (Korea Institute of Fusion Energy)
2879	Posters 5	B-23	INVESTIGATING OF MULTI-SCALE INSTABILITIES IN EAST ION TEMPERATURE CENTRAL PEAK DISCHARGE	Liqing Xu (ASIPP)
2884	Posters 5	B-24	Research on new high-strength structural materials for lowtemperature applications in the next generation of fusion reactors	weijun Wang (Institute of Plasma Physics Chinese Academy of Sciences)
2893	Posters 5	B-25	SIMULATIONS OF RMP CONFIGURATIONS FOR TUNGSTEN IMPURITY CONTROL IN EAST TOKAMAK	Zihao Gao
2905	Posters 5	B-26	Defining Operational Scenarios for DTT in metallic environment: A Modeling Study of Core-Edge Dynamics and PlasmaWall Interaction	Luca Balbinot (Università della Tuscia)
2908	Posters 5	B-27	Impact of radiation distribution on detachment onset and implications for STEP divertor design	Michal Jan Kryjak (UKAEA)
2915	Posters 5	B-28	OVERVIEW OF PLASMA DISRUPTION MITIGATION ON JTEXT TOKAMAK	Wei Yan (Huazhong University of Science and Technology)
2931	Posters 5	B-29	Deuterium interaction with low: activated chromiummanganese austenitic steel with increased contamination of carbide particles	Anna Golubeva (NRC "Kurchatov institute")
2933	Posters 5	B-30	Generation and acceleration of steady-state plasma in PLM-M device for testing of fusion materials	Sergey Fedorovich (National Research Uni versity "Moscow Power Engineering Institute")
2967	Posters 5	B-31	OVERVIEW OF ERROR FIELD SCALING STUDIES IN EAST AND IMPLICATIONS FOR ITER	Hui-Hui WANG
2975	Posters 5	B-32	ELM SUPPRESSION BY ECCD-CONTROLLED BENIGN MHD MODES IN THE KSTAR TOKAMAK	Jekil Lee (Korea Institute of Fusion Energy)
2977	Posters 5	B-33	DYNAMICS OF INTERNAL RECONNECTION EVENTS IN VERSATILE EXPERIMENT SPHERICAL TORUS	Myungwon Lee
2983	Posters 5	B-34	Study of erosion of ceramic materials under transient thermal load	Alexandr Kasatov (Budker Institute of Nuclear Physics)
3013	Posters 5	B-35	DATA EFFICIENCY AND LONG-TERM PREDICTION CAPABILITIES FOR NEU- RAL OPERATOR SURROGATE MODELS OF EDGE PLASMA CODES	Naomi Carey (UKAEA)
3018	Posters 5	B-36	ASSESSMENT OF B4C AS FIRST WALL COATING FOR THERMONUCLEAR REACTOR	Anton Putrik (Institution "Project Center ITER")
3024	Posters 5	B-37	FIRST QUANTIFICATION OF VOLUME RECOMBINATION IN W7-X USING EMC3-EIRENE	Yuhe Feng (Max-Planck-Institute for Plasma Physics)
3048	Posters 5	B-38	EXHAUST OPERATIONAL SPACE ASSESSMENT FOR THE EUROPEAN VOLUMETRIC NEUTRON SOURCE (EU-VNS)	Sven Wiesen (DIFFER - Dutch Institute for Fundamental Energy Research)
3058	Posters 5	B-39	VERIFICATION AND OPTIMIZATION OF VDES BY COUPLING THE FREE-BOUNDARY EQUILIBRIUM AND TRANSPORT CODES WITH CONTROL IN THE HL-3 TOKAMAK	Xiao Song (SWIP,China)
3075	Posters 5	B-40	RUNAWAY ELECTRONS IN JET: SUMMARY ON RE DATA AFTER THE END OF JET OPERATIONS	Vladislav Plyusnin (Instituto de Plasmas e Fusão Nuclear, Associação EURATOM-IST, Instituto Superior Tecnico)
3084	Posters 5	B-41	EXPERIMENTAL RESEARCH ON MAGNETOHYRODYNAMIC (MHD) FLOWS IN LIQUID METAL COOLING SYSTEMS FOR FUSION REACTORS	Ivan Belyaev (JIHT RAS)
3105	Posters 5	B-42	A mechanism to trigger edge localized mode crash due to a threshold of magnetic perturbation driven by peelingballooning mode	Wenjin Chen (Southwestern Institute of Physics)
3140	Posters 5	B-43	DISRUPTION PREDICTION FOR FUTURE TOKAMAK REACTORS FROM DIFFERENT PERSPECTIVES AND WITH DIFFERENT METHODS	Wei Zheng (Huazhong University of Science and Technology)
3162	Posters 5	B-44	VALIDATION OF PLASMA -WALL SELF-ORGANIZATION THEORY BY HIGH DENSITY LIMITS ACHIEVED ON EAST	Jiaxing Liu (Huazhong University of Science and Technology)
3166	Posters 5	B-45	EXPERIMENTAL STUDY OF THE 2/1 MODE RMP ON THE RUNAWAY CURRENT SUPPRESSION DURING DISRUPTIONS ON J-TEXT	Zhifang Lin (School of Electricl Engineering & Automation, Jiangsu Normal University)
3167	Posters 5	B-46	DECODING THE CAUSES OF HIGH-DENSITY DISRUPTION THROUGH INTERPRETABLE MACHINE LEARNING	Chengshuo Shen (Huazhong University of Science and Technology)
3179	Posters 5	B-47	Design and Optimization of Advanced Divertor Configurations for Heat Flux Management in the EHL-2 Spherical Torus Project	Xiang gU
3193	Posters 5	B-48	SIMULATION OF DEUTERIUM-TRITIUM ISOTOPE EFFECTS ON THE DIVERTOR TARGET HEAT FLUX DENSITY IN CFEDR	Chen Zhang (大连理工大学)
3201	Posters 5	B-49	PROGRESS ON THE ENGINEERING QUALIFICATION OF CN-RAFM STEEL	Guoping YANG (Southwestern Institute of Physics)
3219	Posters 5	B-50	High Intensity Neutron Source for Fusion Nuclear Technology Development	Qi YANG (International Academy of Neutron Science)
3259	Posters 5	B-51	The role of ambient turbulence in facilitating thermal quench of disruptive plasmas in HL-2A tokamak	Yucai Li (西南交通大学)
3267	Posters 5	B-52	EFFECT OF IMPURITY DISTRIBUTION ON THE STABILITY OF NEOCLASSICAL TEARING MODE	xin yu
3276	Posters 5	B-53	Plasma Instability Events Detection and Disruption Prediction in EAST Tokamak via Heterogeneous-Feature Multi-Task Learning	Yunhu Jia (University of Science and Technology of China)
3288	Posters 5	B-54	THE RADIATIVE DIVERTOR AND IN/OUT ASYMMETRY IN HL-2M BY IMPURITY SEEDING WITH FULL DRIFTS	Yanjie Zhang (Dalian University of Technology)
3295	Posters 5	B-55	CLUSTER DYNAMICS MODELING OF DEFECT EVOLUTION IN NEUTRON-IRRADIATED TUNGSTEN FOR FUSION APPLICATIONS	Zhaofan Wang (University of Science and Technology of China)
3309	Posters 5	B-56	Modeling of wall material evolution and the impact on edge particle recycling for long pulse discharges in EAST	Guoliang XU (Institute of Plasma Physics, Chinese Academy of Science)
3313	Posters 5	B-57	DEVELOPMENT OF A THREE-DIMENSIONAL SIMULATION CODE FOR SCRAPE-OFF LAYER PLASMAS	Jiafeng He
3316	Posters 5	B-58	THE INFLUENCE OF E×B DRIFT COMBINED WITH DIVERTOR DOME ON PLASMA DETACHMENT IN CFETR BY USING SOLPS-ITER	Xuele Zhao (Dalian University of Technology)
3318	Posters 5	B-59	CERMET ALLOYS FOR HYBRID FISSION-FUSION NUCLEAR REACTOR	Juana L Gervasoni (Bariloche Atomic Center (CNEA))
3338	Posters 5	B-60	SIMULATION OF FUEL INVENTORY IN DAMAGED TUNGSTEN UNDER SIMULTANEOUS HYDROGEN AND DEUTERIUM: SYNERGISTICAL EFFECT OF DEFECT ANNEALING AND ISOTOPE EXCHANGE	Zhenhou Wang
3365	Posters 5	B-61	HIGH-HEAT-FLUX PERFORMANCE OF MONOBLOCK TARGET PREPARED WITH ADVANCED W-K PLATE	Fan Feng
3366	Posters 5	B-62	THE INTERACTION BETWEEN THE EDGE DISLOCATION AND THE DISLOCATION LOOP-BUBBLE COMPLEX UNDER SHEAR STRESS IN BCC	Y. X Wei (SWIP)
3370	Posters 5	B-63	PHYSICAL MODEL FOR TESTING STRUCTURAL MATERIALS OF FUSION REACTORS UNDER PLASMA AND THERMAL IMPACT	Igor Andreevich Sokolov (Institute of Atomic Energy NNC RK)
3371	Posters 5	B-64	OVERALL PERFORMANCE OF THE HOUR-LEVEL ALTERNATING HYBRID INTEGRATOR	Yufan lv (The School of Instrument Science and Opto-Electronics Engineering, Hefei University of Technology)
3372	Posters 5	B-65	TOWARD THE DESIGN VALIDATION OF WATER-COOLED CERAMIC BREEDER TEST BLANKET MODULE IN PHYSICAL MOCK-UP TESTING	Wenhai Guan (National Institutes for Quantum Science and Technology)
3376	Posters 5	B-66	CFETR NEUTRONICS BENCHMARK CROSSCHECKING USING JMCT	XUEMING SHI
3378	Posters 5	B-67	Safety Regulation of Fusion Facilities in the Russian Federation	Mikhail Polyanskii (Scientific and Engineering Centre for Nuclear and Radiation Safety (SEC NRS))
3379	Posters 5	B-68	RECENT ADVANCES OF WATER DETRITIATION TECHONOLOGIES	Jinguang Cai (Institute of Materials, China Academy Of Engineering Physics)
3404	Posters 5	B-69	NON-EVAPORABLE GETTER APPLICATION IN FUSION REACTORS	Jie Wang (Xi' an Jiaotong University)
3508	Posters 5	B-70	Preliminary Engineering Analysis for CN HCCB TBM Regarding ITER New Baseline Scenario	XINGHUA WU (CHINA)
3509	Posters 5	B-71	NEXT-GENERATION NUCLEAR TECHNOLOGIES FOR NET-ZERO EMISSIONS: AN INTERDISCIPLINARY EVALUATION OF NUCLEAR FUSION	Godwin Okewu Omeje
3512	Posters 5	B-72	Surface damage and deuterium retention in tungsten under high-flux detached recombining linear plasmas	Jipeng Zhu (Institute of Materials, China Academy of Engineering and Physcis)
3513	Posters 5	B-73	Highly effective hydrogen isotope separation through quantum sieving	Renjin Xiong (Institute of Materials, China Academy of Engineering Physics)
2699	Posters 5	B-74	Automated design rationalization of robot component configuration for in-vessel task of ITER Blanket Remote Handling System	Takuya Iwamoto (National Institutes for Quantum Science and Technology)
2876	Posters 5	B-75	IMPURITY RADIATION SEEDING OF NEOCLASSICAL TEARING MODE GROWTH	Shiyong Zeng (Huazhong University of Science and Technology)
3178	Posters 5	B-76	AUGMENTING THE EXTRAPOLATION CAPABILITY OF DISRUPTION PREDICTION TO EXTENDED PARAMETER REGIMES BY PREDICT-FIRST NEURAL NETWORK	Zongyu Yang

Poster Session 6 (14:00-17:30, 17 Oct)

ID	Session	Board Number		Presenters (affiliation)
3453	Posters 6	B-01	H-mode operation scenarios in JT-60SA initial research phase predicted by integrated corepedestal-SOL/divertor simulation	Nobuyuki AIBA (National Institutes for Quantum Science and Technology)
3454	Posters 6	B-02	UK STEP TOWARDS A FUSION POWER PLANT PLASMA	Hendrik Meyer (UKIFS)
3455	Posters 6	B-03	A TALE OF TWO (VISCO)CITIES Electromagnetic Turbulence and Transport Bifurcations: Implications for Next- Generation Fusion Power Plants	Daniel Kennedy (UKAEA)
3457	Posters 6	B-04	GLOBAL DISPERSION AND NONLINEAR DYNAMICS IN PLASMAS MODELED FOR JT-60U STRONGLY REVERSED MAGNETIC SHEAR CONFIGURATION EXHIBITING A SIGNATURE OF ITBS FROM LMODE CHARACTERISTICS	Rui Zhao (Kyoto University)
3459	Posters 6	B-05	DEVELOPMENT OF DATA ASSIMILATION SYSTEM ASTI TOWARD DIGITAL TWIN CONTROL OF FUSION PLASMA	Yuya Morishita (Kyoto University)
3460	Posters 6	B-06	ITER DISRUPTION MITIGATION SYSTEM DESIGN AND APPLICATION STRATEGY	Stefan Jachmich (ITER Organization)
3461	Posters 6	B-07	TRT PLASMA CONTROL COMPLEXES CONCEPTUAL DESIGN ON THE BASE OF THE ITER FUSION TECHNOLOGY DEVELOPMENT	Anatoly Krasilnikov (Director Institution @Project center ITER")
3463	Posters 6	B-08	Development of Low Inductive Electric Field Plasma Start-up in JT-60SA	Takuma Wakatsuki (National Institutes for Quantum Science and Technology)
3464	Posters 6	B-09	MULTI-MACHINE VALIDATION OF PLASMA INITIATION MODELLING AND PROSPECTS FOR FUTURE DEVICES	Hyun-Tae Kim (United Kingdom Atomic Energy Authority)
3431	Posters 6	B-10	Thermal quench dynamics and heat flux distribution during massive-impurity-injection triggered disruption in EAST	Long Zeng (Tsinghua University)
3434	Posters 6	B-11	ANALYSIS AND SIMULATION OF EFFECTIVE RUNAWAY ELECTRON MITIGATION USING A PASSIVE COIL IN J-TEXT TOKAMAK	Chang Liu (Peking University)
3465	Posters 6	B-12	DIRECT CONTROL OF TURBULENCE FOR IMPROVED PLASMA CONFINEMENT	Toshiki Kinoshita (Kyushu university)
3466	Posters 6	B-13	DEVELOPMENT OF EQUILIBRIUM CONTROL SIMULATOR AND EXPERIMENTAL VALIDATION OF ADVANCED ISO-FLUX EQUILIBRIUM CONTROL DURING THE FIRST OPERATIONAL PHASE OF JT-60SA	Shizuo Inoue (QST)
3467	Posters 6	B-14	PLASMA CONTROL EXPERIMENTS IN JET DEUTERIUM-TRITIUM PLASMAS	Matteo Baruzzo (ENEA, Consorzio RFX)
3469	Posters 6	B-15	Comprehensive Simulations of Bursting and Non-Bursting Alfvén Waves in ICRF Heated Tokamak Plasmas	JIALEI Wang (National Institute for Fusion Science)
3470	Posters 6	B-16	Turbulence, zonal flows, and global modes in burning plasmas: code development and simulations	Axel Könies (Max-Planck-Institut für Plasmaphysik)
3471	Posters 6	B-17	THEORY AND SIMULATION OF PHASE SPACE TRANSPORT IN BURNING PLASMAS	Fulvio Zonca (ENEA, Frascati)
3472	Posters 6	B-18	FUSION ALPHA-PARTICLEDRIVEN ALFVEN EIGENMODES IN JET DT PLASMAS: EXPERIMENTS AND THEORY	Sergei Sharapov (UKAEA)
3473	Posters 6	B-19	Advancing Tritium Fueling for DT Fusion in HL-3: Innovations in SMBI Techniques and Physics-Based Tritium Fueling Strategies	Guoliang Xiao (Southwestern Institute of Physics，China)
2619	Posters 6	B-20	SYSTEM ARCHITECTURE FOR ACTUATOR MANAGEMENT IN ITER PCS	Ondrej Kudlacek (Max-Planck Institute of Plasma Physics)
2620	Posters 6	B-21	Fusion Twin Platform: An Innovative Tool for Fusion Research and Education	Alexei Zhurba (Next Step Fusion)
2623	Posters 6	B-22	Performance Optimisation of Tokamak Operation in ASDEX Upgrade Through Novel Feedback Control Capabilities	Wolfgang Treutterer (Max-Planck Institute for Plasma Physics)
2668	Posters 6	B-23	OBSERVATION AND CONTROL OF 3D HEAT FLUX ON THE PLASMA FACING COMPONENT IN WENDELSTEIN 7-X	Yu Gao (Max-Planck-Institute for Plasma Physics, Greifswald, Germany)
2677	Posters 6	B-24	USE OF NUCLEAR SPECTROMETRY TO MONITOR FUSION RATE, FAST PARTICLES AND RUNAWAY ELECTRONS IN TOKAMAK PLASMAS	Aleksandr Shevelev (Ioffe Institute)
2753	Posters 6	B-25	DEVELOPMENT OF ITER HIGH-FIDELITY PLASMA SIMULATOR BASED ON JINTRAC AND DINA, AND STRATEGY FOR VALIDATION	Sun Hee KIM (ITER Organization)
2757	Posters 6	B-26	Intra-shot Tools for Plasma Scenario Optimization and Magnetic Control	Massimiliano Mattei (CREATE/Università di Napoli Federico II)
2827	Posters 6	B-27	OVERVIEW OF THE EUROPEAN CONTRIBUTION TO THE DIAGNOSTIC EQUIPMENT OF JT-60SA FOR THE NEXT OPERATIONAL PHASES	Carlo Sozzi (Istituto per la Scienza e Tecnologia dei Plasmi ISTP-CNR Milano Italy)
2835	Posters 6	B-28	MACHINE ENHANCEMENT OF TOKAMAK DEVICE FOR THE JT-60SA NEXT OPERATION	HIROKI KAYANO (National Institutes for Quantum Science and Technology)
2841	Posters 6	B-29	ESTIMATION OF PLASMA PARAMETERS BASED ON DISCHARGE SETTINGS ON WEST	Chenguang Wan (Nanyang Technological University)
2849	Posters 6	B-30	Bayesian Data Fusion for Enhanced Edge Plasma Density Profile estimation in KSTAR	Jaewook Kim (Korea Institute of Fusion Energy (KFE))
2852	Posters 6	B-31	Developing Open Machine Learning Benchmarks for Tokamak Event Prediction from MAST	Prakhar Sharma (UK Atomic Energy Authority)
2858	Posters 6	B-32	Europe’ s cutting-edge Handling Systems for the ITER assembly in the pre-start of research operations phase	Margherita Ugoletti (ISTP CNR - Consorzio RFX)
2869	Posters 6	B-33	A MULTISCALE AND MULTIPHYSICS APPROACH TO THE DEVELOPMENT OF A HIGH-FIDELITY PHYSICS PLASMA SIMULATOR FOR BURNING PLASMA	Francesca POLI (ITER Organization)
2969	Posters 6	B-34	Self-organized states of Alfvén eigenmodes and zonal modes via cross-scale interactions	Qinghao Yan (Southwestern Institute of Physics)
2972	Posters 6	B-35	Energy exchange between electrons and ions induced by ITGTEM turbulence	Tetsuji Kato (The University of Tokyo)
2974	Posters 6	B-36	GYROKINETICANALYSIS FOR ELECTRON-SCALE TURBULENCE IN KSTAR FIRE MODE DISCHARGE	Donguk KIM (KAIST)
2976	Posters 6	B-37	LEVERAGING TURBULENCE DATA FROMFUSION EXPERIMENTS	Minjun J. Choi (Korea Institute of Fusion Energy)
2984	Posters 6	B-38	THEORY OF FAST ION POPULATION EFFECT ON TURBULENCE SELF-REGULATION IN MAGNETIZED FUSION PLASMAS	Gyungjin CHOI (Korea Advanced Institute of Science and Technology)
2986	Posters 6	B-39	GROWING NONLINEARITY IN KSTAR FIRE MODE PEDESTAL PROVIDES CLUE TO UNDESIRABLE H-MODE TRANSITION IN I-MODE PLASMAS	Chweeho Heo (Seoul National University)
2994	Posters 6	B-40	ASIMULATION STUDY OF PLASMABREAKDOWNIN THE TOKAMAK ELECTRON CYCLOTRON PRE-IONIZATION PHASE	Jinwoo Gwak (Seoul National University)
2998	Posters 6	B-41	EFFECTS OF FINITE ION TEMPERATURE AND ITS GRADIENT ON HASEGAWA-MIMA EQUATION AND ZONAL FLOW GENERATION	Lu Wang (Huazhong University of Science and Technology)
3019	Posters 6	B-42	FEATURES OF FUSION POWER MEASUREMENTS IN THE NEXT GENERATIONMAGNETIC PLASMA CONFINEMENT EXPERIMENTS	Timofey Kormilitsyn (Institution "Project Center ITER", Moscow, Russia)
3031	Posters 6	B-43	Coupling of Geodesic Acoustic Modes and Resonant Magnetic Perturbations in Fusion Plasmas	Jingchun Li (深圳大学)
3033	Posters 6	B-44	New insights on the quasicoherent mode in EDA high confinement discharges	Gustavo Grenfell (Max Planck Institute for Plasma Physics)
3046	Posters 6	B-45	SURROGATE MODEL FOR TURBULENT TRANSPORT USING DEEP LEARNING AND PLASMA PROFILE PREDICTION IN TOKAMAK PLASMAS	Yong Xiao (Institute for Fusion Theory and Simulation)
3068	Posters 6	B-46	Application of a Design Structure Matrix Methodology to STEP Plasma Control System Design and Sensor Optimisation	Eddie Pennington (UK Atomic Energy Authority)
3091	Posters 6	B-47	Tokamak formation via localized helicity injection using tangential boundary flows	Pablo Garcia-Martinez (CONICET - Centro Atomico Bariloche)
3096	Posters 6	B-48	NONLOCAL BEHAVIOR OF TURBULENCE IN THE PRESENCE OF POLOIDALLY LOCALIZED HEAT SOURCE	Youngwoo Cho
3115	Posters 6	B-49	OPERATIONAL SPACE OF SMALL ELM AND ELM-FREE REGIMES ON HL-3 TOKAMAK	Na Wu
3123	Posters 6	B-50	PROGRESS OF CORE-EDGE INTEGRATED TUNGSTEN TRANSPORT STUDY IN EAST WITH ITER-LIKE TUNGSTEN DIVERTORS USING ADVANCED IMPURITY DIAGNOSTICS	Ling ZHANG (Institute of Plasma Physics, Chinese Academy of Sciences)
3136	Posters 6	B-51	Engineering Design, Construction, and Flexible Control of Magnetic Field Configuration of Quasi-axisymmetric Stellarator CFQS-T	Mitsutaka Isobe (National Institute for Fusion Sciences)
3138	Posters 6	B-52	CHARACTERISTICS OF HIGH FREQUENCY TURBULENCE DURING EDGE LOCALIZED MODES IN THE HL-2A TOKAMAK	Guanqun Xue (Dalian University of Technology; Southwestern Institute of Physics)
3153	Posters 6	B-53	A Physics-Informed Neural Network for Real-Time, Data- Efficient Plasma Equilibrium Reconstruction in SUNIST-2	Yuhang Luo (Startorus Fusion, China)
3161	Posters 6	B-54	Investigation of transient transport dynamics induced by compact torus injection in the EAST tokamak	zhihao zhao (Hefei University of Technology)
3171	Posters 6	B-55	SAWTEETH DYNAMICS IN JT-60SA BASELINE SCENARIOS WITH EFFECTS ON NTM ONSET	Silvana NOWAK (ISTP-CNR, Milano, Italy)
3195	Posters 6	B-56	SIMULATING ENERGETIC PARTICLE DYNAMICS USING OPERATOR NEURAL NETWORKS WITH SPATIAL TRANSLATION INVARIANCE	Jian LIU (Shandong University)
3199	Posters 6	B-57	Experimental studies on the effect of turbulence-driven edge poloidal shear flow on tokamak plasma confinement	Ting Long (Southwestern Institute of Physics)
3202	Posters 6	B-58	Fast ion transport in presence of magnetic perturbations using full-orbit and guiding-center simulations	Julio Martinell (Nuclear Sciences Institute, National Autonomous University of Mexico)
3205	Posters 6	B-59	Magnetic flux surface mapping system at Chinese First Quasiaxisymmetric Stellarator	Xirui Liu (Institute of Fusion Science, School of Physical Science and Technology, Southwest Jiaotong University)
3209	Posters 6	B-60	PROGRESS ON REAL-TIME DENSITY CONTROL CAPABILITY OF THE KSTAR TOKAMAK	June-Woo Juhn (Korea Institute of Fusion Energy)
3211	Posters 6	B-61	DYNAMICS OF TURBULENCE AND ZONAL FLOWS EFFECTED BY TUNGSTEN IMPUITTY IN HL-2A EDGE PLASMAS	Qian Zou (Institute of Fusion Science, School of Physical Science and Technology, Southwest Jiaotong University)
3221	Posters 6	B-62	Transport properties of trapped-electron-mode turbulence interacting with tearing modes in tokamak plasmas	Jiquan Li (Southwestern Institute of Physics)
3227	Posters 6	B-63	NOVEL EFFECTS OF EDGE-LOCALISED RMPS AND PLASMA DENSITY ON THE L-H TRANSITIONS AND TURBULENCE	Eun-jin Kim (Coventry University)
3254	Posters 6	B-64	Reinforcement Learning-Based Plasma Shape Control via Isoflux scheme on superconductor tokamak	Haoyu Wang (Institute of plasma physics, Chinese Academy of Sciences)
3271	Posters 6	B-65	CHARACTERISTICS OF EDGE QUASI-COHERENT MODE IN THE EDA H-MODE ON HL-3	Anshu Liang
3278	Posters 6	B-66	Remote Handling Strategy of VolumetricNeutron Source Blanket	CHRISTIAN Bachmann (EUROfusion)
3286	Posters 6	B-67	PERTURBATED MAGNETIC FIELD THRESHOLD OF EDGE COHERENT OSCILLATION DURING ELM MITIGATION BY N = 1 AND N=2 RMP	Tengfei Sun (Southwestern Institute of Physics)
3297	Posters 6	B-68	Experimental research on the penetration behavior of compact toroid fueling on EAST	Yahao Wu
3317	Posters 6	B-69	Experimental observation of zonal flow-like oscillation in Chinese first quasi-axisymmetric stellarator-test device	Xi Chen (Institute of Fusion Science, School of Physical Science and Technology, Southwest Jiaotong University)
3322	Posters 6	B-70	TEMO: a comprehensive and versatile equilibrium modelling toolbox for tokamak operations	Zhengbo Cheng (Shaanxi Startorus Fusion Technology Company Limited)
3329	Posters 6	B-71	INNOVATIVE AND EFFICIENT PLASMA MAGNETIC CONFINEMENT METHOD BASED ON AN OVERLOOKED HISTORICAL DISCOVERY	Martin STOREY (Meranti Research Laboratories)
3344	Posters 6	B-72	PLASMA CURRENT AND POSITION CONTROL IN KTM TOKAMAK	Aleksei Li (Tomsk Polytechnic University, Tomsk, Russian Federation), Baurzhan Chektybayev
3351	Posters 6	B-73	PLASMA PREDICTION AND SIMULATION IN SUPPORT OF REACTOR DESIGN AND OPERATION AT TOKAMAK ENERGY	Michele Romanelli (Tokamak Energy)
3514	Posters 6	B-74	Experimental Detection of Charged Fusion Products in a Compact Electron-Catalyzed Fusion System Using Calibrated CR-39 Diagnostics	Zhifei Li (Alpha Ring US Inc.)
3518	Posters 6	B-75	Predictive Modeling of Operational Stability in RF Negative Ion Sources Based on Experimental Parameters	Yang Li (East China University of Technology)
3521	Posters 6	B-76	Numerical Simulation of Compositional Redistribution Driven by isotopologue Fractionation During Solidification of D-T Fuel in ICF Targets	Jiaqi Zhang (The University of Osaka)
3523	Posters 6	B-77	IMMERSIVE VR-BASED VISUALIZATION AND ANALYSIS OF FUSION PLASMAS USING DIGITAL-LHD AND VIRTUAL-LHD	Hiroaki Ohtani (National Institute for Fusion Science)
3525	Posters 6	B-78	OVERVIEW OF THE WEST-ITER DIAGNOSTIC INSTRUMENTATION (WIDIA) COLLABORATION ACTIVITIES	Didier Mazon (CEA Cadarache)
3527	Posters 6	B-79	Advanced Power Supply solutions Meeting High Standard for Fusion Research	Emanuele massarelli
3531	Posters 6	B-80	High-power stray radiation experiments for the ITER Upper Launcher with a real-size mock-up - First results	Falk Braunmüller (EPFL (École Polytechnique Fédérale de Lausanne))

3532	Posters 6	**B-81**	**TITANIUM ADDITION AND THICKNESS VARIATION RESEARCH IN TUNGSTEN BLOCK BEHAVIOR AS FUSION PLASMA FACING FIRSTWALL**	Juana Gervasoni (CNEA)
3533	Posters 6	**B-82**	**Investigation of Broadband-laser-induced Plasma Interaction and ablation properties**	Peipei Wang
3535	Posters 6	**B-83**	**Enabling Adaptive Detachment Control: Novel Insights from Calibration-Free X-Point Phase Difference**	Yue Yu (Institute of Plasma Physics, Chinese Academy of Sciences)
3536	Posters 6	**B-84**	**EFFECTS OF THE MULTI-MODE ISLANDS ON THE RUNAWAY ELECTRON SUPPRESSION ON J-TEXT**	Zhifang Lin (Jiangsu Normal University)
3538	Posters 6	**B-85**	**NON-GYROKINETIC HIGH-FREQUENCY MODE INSTABILITY FOR TOKAMAK EDGE LIKE GRADIENTS**	Mario Raeth (Max Planck Institute for Plasma Physics)
3545	Posters 6	**B-86**	**OBSERVATION OF CORE ION ENERGY INCREASE CAUSED BY THE LANDAU DAMPING OF MHD WAVE IN THE PERIPHERY OF LHD PLASMA**	Katsumi Ida (National Institute for Fusion Science)
3546	Posters 6	**B-87**	**FIRST CAMPAIGN WITH ALTERNATIVE DIVERTOR CONFIGURATIONS IN ASDEX UPGRADE**	Tilmann Lunt (Max-Planck-Institut für Plasmaphysik)
3212	Posters 6	**B-88**	**Achieving Full-Coverage Liquid GaInSn Film Flow under Magnetic Fields: Synergistic Effects of Wettability Optimization and Dual-Layer Structural Design**	Yiming Wang (Southwestern Institute of Physics, CNNC)
3296	Posters 6	**B-89**	**DEUTERIUM GAS-DRIVEN PERMEATION AND RETENTION IN LA2O3, Y2O3, AND ZRO2 DISPERSIONSTRENGTHENED TUNGSTEN**	Zeshi Gao (University of Science and Technology of China)
3357	Posters 6	**B-90**	**Fusion-relevant tritium interactions with SS316L stainless steel**	Anete Teimane

Poster Session 7 (8:30-10:40, 18 Oct)

ID	Session	Board Number		Presenters (affiliation)
3446	Posters 7	B-01	ANALYSIS OF FUEL RETEN TIONANDRECOVERYINJETWITHBE-WWALL	Dmitry Matveev (Forschungszentrum Juelich)
3474	Posters 7	B-02	JOREK simulation of injection as similation and radiation asymmetry during ITERH-mode dual SPIs	Di Hu (Beihang University)
3475	Posters 7	B-03	Hybrid kinetic-MHD studies of runaway electron beam termination events	Hannes Bergström
3476	Posters 7	B-04	Piecewise omnigenous fields: a radically new family of optimized magnetic fields for stellarator reactors	Jose Luis Velasco Garasa (Laboratorio Nacional de Fusión, CIEMAT)
3477	Posters 7	B-05	MODELLING OF MILDLY RELATIVISTIC RUNAWAY ELECTRONS: DEVELOPMENT OF REDUCED-KINETIC MODEL AND VALIDATION IN KSTAR OHMIC STARTUP	Yeongsun Lee (Seoul national university/Seoul)
3478	Posters 7	B-06	A novel method to optimize omnigenity like quasisymmetry for stellarators	Caoxiang Zhu (University of Science and Technology of China)
3479	Posters 7	B-07	OVERVIEW OF THE DCLL BREEDING BLANKET FOR HELIAS 5-B AND FURTHER STEPS TOWARDS A NOVEL QIDEVICE	IOLE PALERMO (CIEMAT)
3480	Posters 7	B-08	ANTICIPATING TRITIUM IMPACT ANDTRANSFER IN FISSION AND FUSION POWERPLANTS	Elodie Bernard (CEA Cadarache)
3481	Posters 7	B-09	NEUTRONICS FOR ITER NUCLEAR PHASE: INSIGHTS AND LESSONS LEARNT FROM JET DT OPERATION	Rosaria Villari (ENEA)
3482	Posters 7	B-10	EXPERIMENTAL STUDY ON TRITIUM RELEASE FROM LI2TIO3 PEBBLES AS TRITIUM BREEDER THROUGH INTERNATIONAL COLLABORATION BETWEEN KOREA AND CHINA	Yi-Hyun PARK (Korea Institute of Fusion Energy)
3483	Posters 7	B-11	Accomplishment of high duty cycle beam commissioning of Linear IFMIF Prototype Accelerator (LIPAc) at 5 MeV, 125 mA D+	Tomoya Akagi (QST)
3485	Posters 7	B-12	Simulation of tungsten erosion and edge-to-core transport in neon-seeded JET plasmas	Henri Kumpulainen (FZJ)
3486	Posters 7	B-13	Theory-based integrated modelling of tungsten transport: validation in present-day tokamaks and predictions for ITER	Daniel Fajardo (Max Planck Institute for Plasma Physics)
3487	Posters 7	B-14	TESTING TUNGSTEN PLASMA FACING COMPONENTS IN WEST AND AUG TOKAMAKS: LESSONS FOR ITER	yann corre (FrCEAIRFM)
3489	Posters 7	B-15	Tungsten limiter Start-up experiments in different boronization states in support of ITER	Jörg Hobirk (IPP Garching)
3490	Posters 7	B-16	RESULTS OF ELECTRON CYCLOTRON HEATING AND CURRENT DRIVE SYSTEM OPERATIO IN THE INTEGRATED COMMISSIONING PHASE ON JT-60SA	Hibiki Yamazaki (National Institutes for Quantum Science and Technology (QST))
3491	Posters 7	B-17	First performance test of multifrequency gyrotron for ITER and fusion devices	Takahiro Shinya (QST)
3492	Posters 7	B-18	PERFORMANCE OF JT-60SA SUPERCONDUCTING MAGNET OPERATION IN INTEGRATED COMMISSIONING TEST	Katsuhiko TSUCHIYA (QST, Naka)
3493	Posters 7	B-19	OVERVIEW OF RECENT RESULTS INRESEARCH TACKING REMOTE MAINTENANCE CHALLENGES OF FUTURE FUSION ENERGY DEVICES	Robert Skilton (UK Atomic Energy Authority)
2723	Posters 7	B-20	The impact of a flying collector on runaway electrons during current disruption in a tokamak	Boris Kuteev (NRC Kurchatov Institute)
2797	Posters 7	B-21	Catalogue-based reverse engineering: for AI-based modelling in fusion remote maintenance equipment design	William Brace (VTT)
3127	Posters 7	B-22	Recent Progress of Dissimilar Material Bonding Technique with Spark Plasma Sintering Method for High Heat Load Plasma Facing Components in Reactor-relevant Devices	Tomohiro Morisaki (National Institute for Fusion Science)
2791	Posters 7	B-23	Anovel computation of the linear plasma response to a resonant error field in single-fluid visco-resistive MHD and application to the RFXmod2 tokamak	paolo zanca (consorzio rfx)
2694	Posters 7	B-24	Development of in-vessel rail deployment and connection method for ITER Blanket remote maintenance	Yuto NOGUCHI (National Institutes for Quantum Science and Technology)
2767	Posters 7	B-25	Tests of ultrasonic lithium injector with external lithium supply system on tokamak T-11M	Anastasiia Shcherbak (SRC RF TRINITI)
2883	Posters 7	B-26	APPLICATION OF LOW-Z MATERIALS FOR ENHANCING H MODE PLASMA PERFORMANCE AND PULSE DURATION IN EAST WITH FULL METAL WALL	Guizhong Zuo
3240	Posters 7	B-27	Next-Generation Coil Power Supply System for the Tokamak: Design, Implementation, and Operational Performance	LIANSHENG HUANG (Institute of Plasma Physics, CAS)
2710	Posters 7	B-28	Dynamic Evolution of Multi-Physics-Dependent Non-Uniform Inter-Turn Contact Resistivity in No-Insulation REBCO Magnets: Modeling and Experimental Validation	Shuowei Gao
3059	Posters 7	B-29	BB Segment Grasping Pipeline with Variable Admittance Control for EU DEMO Remote Maintenance	Hjalte Durocher (Aarhus University, Denmark), Xingyu Yang (Aarhus University, Denmark)
3315	Posters 7	B-30	ACCESSING STABLE OPERATIONAL WINDOWS IN KDEMO	Jaymyoung Lee (Seoul National University)
3100	Posters 7	B-31	Design studies on advanced self-cooled liquid test blanket modules for JA-DEMO	Teruya Tanaka (National Institute for Fusion Science)
2970	Posters 7	B-32	DEVELOPMENT STATUS OF IN-VESSEL COMPONENTS INSPECTION AND PIPE MAINTENANCE ROBOT FOR KDEMO AND FUSION EXPERIMENTAL DEVICE	Dohee Lee (Korea Institute of Fusion Energy)
2817	Posters 7	B-33	NUMERICAL ANALYSIS OF PEELING-BALLOONING STABILITY AT VARIOUS TRIANGULARITIES IN GLOBUS-M2	Vladimir Solokha (Ioffe Institute)
3146	Posters 7	B-34	DEVELOPMENT OF METER-SCALE LARGE W/CU DIVERTOR COMPONENTS FOR FUSION REACTOR AT ASIPP	Xuebing PENG
3194	Posters 7	B-35	R&DonWFirstWall for ITER and Future Fusion Reactors	Jiming Chen (Southwestern Institute of Physics)
2748	Posters 7	B-36	Analytical approach to calculation of disruption-induced vertical force on the tokamak wall	Vladimir Pustovitov (National Research Centre Kurchatov Institute)
2978	Posters 7	B-37	SIMULATION OF STOCHASTIC TRANSPORT AND DEPOSITION OF SEED RUNAWAY ELECTRONS DURING ITER SPI	Yuxiang Sun (Beihang University，School of Physics)
2734	Posters 7	B-38	INVESTIGATING THE FORMATION AND GROWTH OF FUZZY NANO-STRUCTURES DUE TO THE INTERACTION OF HELIUM PLASMA WITH TUNGSTEN UTILIZING A DC GLOW DISCHARGE PLASMA DEVICE	Faridodin Sedighi (Nuclear Science and Technology Research Institute (NSTRI), Atomic Energy Organization of Iran (AEOI))
3208	Posters 7	B-39	INFERNAL-KINK INSTABILITY IN NEGATIVETRIANGULARITY PLASAMAS WITH NEGATIVE CENTRAL SHEAR	LI LI (Donghua University)
3049	Posters 7	B-40	WEST advanced wall protection achievements toward long pulse operation	Raphael MITTEAU (CEA/IRFM)
3043	Posters 7	B-41	Improvements of Magnet Power Supply System and Achievements in Coil Energization Tests for First Plasma of JT-60SA	Kunihito Yamauchi (National Institutes for Quantum Science and Technology)
3008	Posters 7	B-42	A MATERIAL DATABASE OF SS316L(N)-IG FOR ITER BLANKET SHIELD BLOCKS	Sawoong KIM (Korea Institute of Fusion Energy)
2788	Posters 7	B-43	Material migration and erosion of plasma-facing components in the full-tungsten WEST tokamak during its Phase 1 and Phase 2 operations	Antti Hakola (VTT Technical Research Centre of Finland Ltd.)
2716	Posters 7	B-44	OPTIMAL DESIGN OF FAST PLASMA BOUNDARY CONTROL CONSIDERING VERTICAL INSTABILITY FEATURES USING IN-VESSEL COILS IN JT-60SA	Shinichiro Kojima
3299	Posters 7	B-45	A Novel High-Temperature Superconducting Cable Design for Compact Tokamaks	Qin Lang (Startorus Fusion), Wu Run (Startorus Fusion)
3108	Posters 7	B-46	NONLINEAR MAGNETOHYDRODYNAMIC MODELLING OF IDEAL BALLOONING MODES IN HIGH-BETA WENDELSTEIN 7-X PLASMAS	Yao Zhou (Shanghai Jiao Tong University)
3017	Posters 7	B-47	FUSION MAGNET POWER EQUIPMENT INSTALLATION DESIGN BASED ON MULTI-PHYSICS FIELD COUPLING AND MODULAR OPTIMIZATION	Hong Lei
3218	Posters 7	B-48	TUNGSTEN DUST TRANSPORT IN THE STOR-M TOKAMAK	Chijin Xiao (University of Saskatchewan)
3268	Posters 7	B-49	Nonlinear Self-Consistent Dynamics of Geodesic Acoustic Modes and Zonal Flows in Toroidally Rotating Tokamak Plasmas	Victor Ilgisonis (NRC Kurchatov Inst)
3045	Posters 7	B-50	3D hybrid fluid-kinetic simulations of large scale plasma instabilities in runaway electron beams	Shi-Jie Liu (max-planck institute for plasma physics)
2953	Posters 7	B-51	Breakthrough in performance degradation of ITER central solenoid conductors owing to short-twist-pitch cabling and suppression of bending strain	Tomone SUWA (National Institutes for Quantum Science and Technology)
3072	Posters 7	B-52	WEST wall conditioning with boron: lessons for ITER and fusion power plants	Eleonore Geulin (CEA, IRFM)
3444	Posters 7	B-53	Drift flows impact island divertor operation inWendelstein 7-X	Carsten Killer (Max-Planck-Institute for Plasma Physics, Greifswald, Germany)
2742	Posters 7	B-54	Recovery Behavior of High-Purity Cubic SiC for First-Wall Applications in Fusion Reactors by Post-Irradiation Annealing After Low-Temperature Neutron Irradiation	Mohd Idzat Bin Idris (Department of Applied Physics, Faculty Science and Technology, Universiti Kebangsaan Malaysia)
2926	Posters 7	B-55	Overview of the recent experimental studies of plasma-facing components irradiated with divertor relevant plasma	Viacheslav Budaev (National Research Center "Kurchatov Institute")
2980	Posters 7	B-56	CONJUGATE HEAT TRANSFER LARGE EDDY SIMULATION OF A HYPERVAPOTRON: FROM INCIPIENT NUCLEATE BOILING TO CRITICAL HEAT FLUX	Kyle Damm (United Kingdom Atomic Energy Authority)
2881	Posters 7	B-57	Virtual Tokamak for Integrated Physics and Engineering Analysis	Jae-Min Kwon (Korea Institute of Fusion Energy)
2786	Posters 7	B-58	ELECTRON DENSITY WINDOW ON THE SUPPRESSION OF SPONTANEOUS NEOCLASSICAL TEARING MODE WITH HIGH FRACTION OF BOOTSTRAP CURRENT	Tong Liu (Dalian University of Technology)
2839	Posters 7	B-59	WALL CONDITIONING PLASMA PRODUCTION USING FUNDAMENTAL AND SECOND HARMONIC ELECTRON CYCLOTRON WAVES IN JT-60SA	Masakatsu Fukumoto (National Institutes for Quantum Science and Technology)
3312	Posters 7	B-60	EXPERIMENTAL STUDY ON THE MIGRATION PROCESS OF ADATOM IN THE GROWTH DYNAMIC OF FUZZ	Zhe Liu (University of Science and Technology of China)
3000	Posters 7	B-61	A Possible Method to Implement Passive 3d Coils for Runaway Electron Suppression in Future Reactor-Scale Tokamaks	Bo Rao (Huazhong University of Science and Technology)
3073	Posters 7	B-62	n=0 VERTICAL DISPLACEMENTS, IMPACT OF MAGNETIC X-POINTS, AND VERTICAL DISPLACEMENT OSCILLATORY MODES DRIVEN BY FAST IONS IN TOKAMAK PLASMAS	Francesco Porcelli (Polytechnic University of Turin)
3279	Posters 7	B-63	Force-electric coupling characteristics of CORC cables under bending load	Shijie Shi (Academy of Sciences Institute of Plasma Physics)
3009	Posters 7	B-64	Simulation of Pulse Quench Propagation in Superconducting Magnets for the Next Generation Compact Fusion Energy Experimental Device	yu chen (中国科学院等离子体物理研究所)
2626	Posters 7	B-65	Runaway electron avalanche and energy deposition during scraping-off of vertically unstable disruption generated runaway beams	Jose Martin-Solis (Universidad Carlos III de Madrid)
2662	Posters 7	B-66	CSMC Power Supply System Completes DC 48kA Steady State Output Experiment	Hong Lei
2762	Posters 7	B-67	3D MODELLING OF THERMAL LOADS DURING UNMITIGATED VERTICAL DISPLACEMENT EVENTS IN ITER AND JET	Francisco Javier Artola Such (ITER Organization)
2810	Posters 7	B-68	Performance of Li- and Sn-filled CPS targets under the transient plasma loads in QSPA	Igor Garkusha (IPP NSC KIPT)
2878	Posters 7	B-69	Modeling of heat flux on the main limiter in EAST	binfu Gao (ASIPP)
2882	Posters 7	B-70	STRUCTURE DESIGN OF POLOIDAL HORSESHOE LIMITER FOR PULSE OPERATION HEAT LOAD IN JA DEMO	Weixi Chen (National Institute for Quantum Science and Technology)
2928	Posters 7	B-71	MULTI-SCALE INTERATION NEAR LOCKED MAGNETIC ISLANDS AND RESULTING DISRUPTION DELAY IN KSTAR	Simon Kirk (UK Industrial Fusion Solutions Ltd.)
3203	Posters 7	B-72	THE DEVELOPMENT OF 3D MHD CODE IN COMSOL MULTIPHYSICS AND ITS APPLICATION FOR MHD FLOW IN RIPPLED MAGNETIC FIELD	Jun Wang (Southwestern Institute of Physics)
3294	Posters 7	B-73	Experimental and Numerical Research on High-Temperature Superconducting Demountable Joints for Toroidal Field Coils of Tokamaks	Zhang Chi (Startorus Fusion), Qin Lang (Startorus Fusion)