MF1[Core Plasma]

MF1-1-I1 Yiming Zu	Southwest Jiaotong University	Hall MHD Simulations of MARFE Dynamics in Limiter and Divertor Configurations
MF1-1-I2 Gianluca Pucella	ENEA	Hybrid scenario at high beta_N with mild MHD activity on MAST-U
MF1-1-I3 Feifei Long	University of science and technology of China	Prediction of NTM seed magnetic island trigger threshold in EAST based on supervised learning
MF1-1-I4 Jia Li	Chengdu University of Technology	Impurity effects on kinetic ballooning instability in high q regions of tokamak plasmas
MF1-1-I5 Oleg Samoylov	Max Planck Institute for Plasma Physics	Magnetic reconnection rate during sawtooth crashes in ASDEX Upgrade and EAST
MF1-1-O1 Masato Matsuoka	Nagoya University	Experimental observation of local reduction of gradient in energy spectrum of energetic particles interacting with MHD bursts
MF1-1-O2 Yiming Ma	Huazhong University of Science and Technology	MHD simulation of tilt instability during the dynamic FRC magnetic compression process
MF1-2-I1 Pan Li	Institute of Plasma Physics, CAS	Dynamics between energetic particles driven instabilities, lower frequency flow and turbulence on EAST
MF1-2-I2 Wei Xia	Institute of Plasma Physics, CAS	Characteristic of Thermal Quench and its Interpretive JOREK Simulation in EAST Disruptions
MF1-2-I3 Chang Liu	Peking University	Analysis and Simulation of Effective Runaway Electron Mitigation Using a Passive Coil in J-TEXT Tokamak
MF1-2-I4 Wei Zheng	Huazhong University of Science and Technology	Disruption Prediction for Future Tokamak Reactors from Different Perspectives and with Different Methods
MF1-2-I5 Akihide FUJISAWA	Kyusyu University	Dynamics Review and Prospect of Plasma Turbulence Observatory
MF1-2-I6 Hongxuan Zhu	Zhejiang University	Global eigenmode structure of linear drift-wave instabilities on flux surfaces in stellarators
MF1-2-O1 Zhe Chen	University of Science and Technology	Nonlinear excitation of energetic particle-induced geodesic acoustic mode via resonance overlap with Alfvén instability in CFQS
MF1-2-O2 Chien-Chung Hsu	National Central University	An improved analytical theory of ion temperature gradient instability in tokamak plasmas
MF1-3-I1 Liming Yu	Southwestern Institute of Physics	Experiment and simulation results of interactions between energetic ions and tearing modes on HL-2A tokamak
MF1-3-I2 Xu Yang	Chongqing Technology and Business University	Optimized RMP spectrum design towards robust ELM control
MF1-3-I3 Yanlong Li	Institute of Plasma Physics, CAS	Simulation of ELM control with the helical current filament induced by low-hybrid waves in EAST
MF1-3-I4 Nengchao WANG	Huazhong University of Science and Technology	Electron internal transport barrier induced by neoclassical tearing mode in the ECRH plasma on J-TEXT
MF1-3-I5 Xiaoxi Zhang	China University of Geosciences (Beijing)	Effects of Trapped Energetic ions on the 2/1 Tearing Mode and Fishbone-like Mode
MF1-3-O1 Atsushi Fukuyama	Kyoto University	Kinetic full wave analysis in inhomogeneous plasmas using integral form of dielectric tensor
MF1-3-O2 Yihui Liang	Shanghai Jiao Tong University	Design of 3D equilibria and coils for steady-state operation of tokamaks
MF1-10-I1 Masaki UCHIDA	Kyoto University	Non-inductive startup of overdense spherical tokamak by electron Bernstein waves with reduced trapped electrons
MF1-10-I2 Kristel Crombe	Laboratory for Plasma Physics, Royal Military Academy	Advancements in Commissioning the ICRH System for Wendelstein 7-X
MF1-10-I3 Lunan Liu	Institute of Plasma Physics, CAS	ICRF Heating on EAST: Recent Experimental Advances and Engineering Developments
MF1-10-I4 Hiroshi Tanabe	University of Tokyo	Application of reconnection heating for solenoid-free plasma startup in TS-6 and ST40
MF1-10-I5 Yihang Chen	Southwestern Institute of Physics	Experimental study of sawtooth pacing control in strong neutron beam heated plasmas on the HL-3 tokamak
MF1-10-O1 Zhuo Qi Liu	Dalian University of Technology	ICRF wave heating simulation integrating with SOL plasma based on FEM
MF1-10-O2 Chenyu Pan	ASIPP	Excitation of Fast-ion Driven Alfvén Eigenmodes by ICRF Heating in High β_p Plasmas on EAST
MF1-4-I1 Yinan Zhou	University of Science and Technology of China	The irrational/additional poloidal particle transport part during sawtooth collapse.
MF1-4-I2 Dongmei FAN	Southwestern Institute of Physics	Impact of resonant magnetic perturbations on impurity transport in HL-3 H-mode plasmas
MF1-4-I3 Stefano Gabriellini	UKAEA	Core transport simulations of plasma scenarios for JET and JT-60SA tokamaks: validation and prediction for future JT-60SA experiments
MF1-4-I4 Toshiki Kinoshita	Kyushu University	Advances in Turbulence-Driven Transport Control for improved Plasma Confinement
MF1-4-I5 Anders Nielsen	Technical University of Denmark (DTU)	Simulating Edge Transport in MAST-U Using the FELTOR Code
MF1-4-I6 Chio-Zong Cheng	Princeton University, Univ. Tokyo	Ion and Electron Heating/Acceleration in Magnetic Reconnection of Merging Tokamak Plasmas
MF1-4-O1 Sagar Choudhary	Institute for Plasma Research	Density gradient driven transport in LTX-like plasma due to Ubiquitous Mode
MF1-4-O2 Jianwen Liu	Institute of Plasma Physics, CAS	Effect of ECRH power deposition on stiff transport in electron heating dominated plasma on EAST
MF1-5-I1 Adriano Mele	EPFL	Plasma integrated control: a perspective and outlook on the recent advancements at the TCV tokamak
MF1-5-I2 Joydeep Ghosh	Institute for Plasma Research	Recent Experimental and Operational Highlights from ADITYA-U Tokamak
MF1-5-I3 Pedro Molina	EPFL-SPC	Fast electron generation during tokamak startup: experiments and simulations in the TCV tokamak
MF1-5-I4 Xianyi Nie	University of Science and Technology of China	FOCUS-HTS: A New Stellarator Coil Design Code for Three-dimensional High-Temperature Superconducting Magnets
MF1-5-I5 Yangbo Li	Huazhong University of Science and Technology	Experimental results of Tokamak-Stellarator hybrid configuration by external rotational transform on J-TEXT
MF1-5-I6 Alejandro Navarro	Max-Planck-Institute for Plasma Physics	Exploring Turbulence in Stellarators: Advances in Global Gyrokinetic Simulations
MF1-5-I7 Luca Garzotti	UKAEA	Integrated scenario modelling in support of fusion experiments.
MF1-6-O1 Hiroyuki Yamaguchi	National Institute for Fusion Science	An Innovative Stellarator: Variable Symmetry Torus
MF1-6-O2 Akihiro Shimizu	National Institute for Fusion Science	Construction and experiment of quasi-axisymmetric stellarator CFQS-T
MF1-6-O3 Haijun Ren	University of Science and Technology of China	MHD analysis of electromagnetic GAMs in up-down asymmetric tokamaks
MF1-6-O4 Kunihiro Ogawa	National Institute for Fusion Science	Experimental study of MHD instability effect on MeV ion confinement in KSTAR
MF1-6-O5 Juan Ruiz Ruiz	University of Oxford	Assessing the effect of energetic-particle-driven modes on fusion power gain in burning plasmas
MF1-6-O6 Brad Dempsie	University of Saskatchewan	Extended Stability and Plasma Shock Behavior in a Flow Through Z-pinch
MF1-6-O7 Shuhei Sumida	National Institutes for Quantum Science and Technology	Observation of runaway electrons with neutron flux monitors in the initial operation phase of JT-60SA
MF1-6-O8 Kensho Takenaka	Kyoto University	Analysis of Beta Dependence of Microinstabilities in Realistic Configurations Using Global Gyrokinetic Simulations
MF1-P1 Zhongyong Chen	Huazhong University of Science and Technology	Optimization of Electromagnetic Pellet Injector for disruption mitigation on J-TEXT tokamak
MF1-P2 Muto Takahashi	Tohoku University	Numerical Exploration into Feasibility of Current Drive by Synchrotron Radiation in Tokamaks