

CONTENTS

▣ Monday, Sep. 26

- Prospect and issues of steady state operation of tokamak	001
- Recent Results of KSTAR : H-mode discharges and ELM mitigations	015
- Zonal flows under H-L transition on EAST	028
- Integrated simulation of burning plasmas	038
- Outstanding issues in Tokamak Momentum Transport	049
- Simulation of Tokamak edge plasmas with different plasma facing materials	074
- Research Status of Plasma-Wall Interaction in Hanyang University	087
- Cutting Edge of High Energy Density Sciences with High Power Laser	105
- Plasma Accelerator Research at GIST	119
- Non-diffusive and non-local transport in toroidal plasmas	129
- Experiments on HL-2A tokamak	138
- Status and Research Plan of the Versatile Experiment Spherical Torus (VEST) at Seoul National University	152
- Recent Progress in the SUNIST Spherical Tokamak	166
- High Power Heating of Magnetic Reconnection in TS-3, TS-4 and UTST Merging Experiments	180
- The recent progress of the J-TEXT tokamak	189
- R&D Progress of Korean HCSB TBM	203
- Solid Breeder TBM in China	211
- Tritium behavior influential to tritium balance in a DT fusion reactor	227

■ Tuesday, Sep. 27

- Highlights of solar observation satellite Hinode	237
- Turbulence in Astrophysical Environments	256
- Three dimensional MHD simulations of differentially rotating systems	271
- Three-minutes Shocks Heating the Solar Chromosphere	279
- Magnetic Reconnection in the Solar Atmosphere	300
- Fast Measurement of Electron Density using Fourier Cutoff Probe	320
- Atmospheric pressure nonthermal plasma source developments and their applications	334
- Nanobio Plasma Processes in Solid-Gas-Liquid Interfacial Layers	347
- Development of Aqua-Needle-Plasma for Ablating Herniated Nucleus Pulposus (HNP)	358
- Recent Development of Plasma Medicine	370
- Hyperthermal Neutral Beam Assisted Deposition	394
- Preliminary Study of SOL Flow on EAST	407
- Atomic data research in fusion plasmas	414
- Recent Progress in Research on Transport by WCI Center for Fusion Theory	432
- Zonal flow and blob characteristics in the HL-2A tokamak	450
- Dynamics of global transport and turbulence noise force - an experimental analysis on plasma turbulence	461
- Simulation and Experiment of Neoclassical Tearing Mode Stabilisation in KSTAR	469
- Primary experimental results of suppressing MHD instabilities in HT-7 by biased electrode	487
- 2-D ECE Imaging on KSTAR	504
- Recent LHCD experiments on EAST tokamak	513
- First Successful Suppression of ELMs in KSTAR H-Mode Plasmas by Non-Axisymmetric Magnetic Perturbations	523
- The development of the J-TEXT diagnostics systems	537
- Soft x-ray imaging diagnostics for KSTAR plasmas and their initial results	551