Contents	Volume 1
Session AMS – Artsimovich-Kadomtsev Memorial Session (Monday, 19 October)	1
(AMS) The legacy of Artismovich and the lessons of ITER	1
Session OV1 – Overviews 1 (Monday, 19 October)	13
(OV1/1) JT-60U High Performance Regimes	13
(OV1/2) Physics of High Performance JET Plasmas in D-T $\dots \dots$	29
(OV1/3) Results from the DIII-D Scientific Research Program	49
(OV1/D) Discussions of Session OV1	65
Session OV2 – Overviews 2 (Monday, 19 October)	71
(OV2/1) Overview of Recent Results from the Alcator C-Mod Tokamak	71
(OV2/2) Towards high-power long-pulse operation on Tore Supra	83
(OV2/3) Recent Progresses on High Performance Steady-State Plasmas in the Superconducting Tokamak TRIAM-1M	99
(OV2/4) Overview on W7-AS Results with Relevance for WENDELSTEIN 7-X and the Low-Shear Stellarator Line	115
$({ m OV2/5})$ The Spherical Tokamak Programme at Culham	129
(OV2/D) Discussions of Session OV2	145
Session OV3 – Overviews 3 (Monday, 19 October)	153
(OV3/1) Recent Advances in Indirect Drive ICF Target Physics at LLNL $$	153
(OV3/3) Recent Advances in Direct-Drive ICF Target Physics at the Laboratory for Laser Energetics	167
(OV3/D) Discussions of Session OV3	177
Session OV4 – Overviews 4 (Tuesday, 20 October)	183
(OV4/1) ITER Overview	183
(OV4/2) Energetic Particle Transport and Alpha-Driven Instabilities in Advanced Confinement D-T Plasmas on TFTR	199
(OV4/3) Overview of ASDEX Upgrade Results	213
(OV4/4) Overview of the FTU Results	229
(OV4/5) Confinement Physics Study in a Small Low-Aspect-Ratio Helical Device CHS	243
(OV4/D) Discussions of Session OV4	259
Session EX1 – Performance, Improved Modes, Alphas (Tuesday, 20 October)	265
(EX1/1) Alpha Particle Studies During JET DT Experiments	265

(EX1/3) Overview of RI-Mode Results on TEXTOR-94	273
(EX1/4) H-Mode Regimes and Observations of Central Toroidal Rotation in AL-CATOR C-Mod	281
(EX1/D) Discussions of Session EX1	289
Session EX2 – Helical Experiments (Wednesday, 21 October)	295
(EX2/1) Investigation of Equilibrium, Global Modes and Microinstabilities in the Stellarator W7-AS	295
(EX2/4) First plasmas in the TJ-II Flexible Heliac	303
(EX2/D) Discussions of Session EX2	311
Session EX3 – Divertors 1 (Wednesday, 21 October)	317
(EX3/2) Energy and Particle Control Characteristics of the ASDEX Upgrade 'Lyra' Divertor	317
(EX3/3) Detached Divertor Plasmas in ALCATOR C-Mod: A Study of the Role of Atomic Physics	325
(EX3/5) Confinement Degradation of ELMy H-Modes at High Density and/or Radiated Power Fraction	335
(EX3/6) Operational Limits of High Density H-Modes in ASDEX Upgrade $\dots$	343
(EX3/7) Characteristics of Various Confinement Regimes Obtained with EC and LH Heating on the TdeV Tokamak	351
(EX3/D) Discussions of Session EX3	359
Session EX4 – Innovative Concepts, Reversed Field & Mirror Experiments (Thursday, 22 October)	367
(EX4/3) Recent Progress in RFP Research on the RFX Experiment	367
(EX4/4) Reversed Field Pinch Experiment on a New Large Machine, TPE-RX .	375
(EX4/5) Confinement in the RFP: Lundquist Number Scaling, Plasma Flow, and Reduced Transport	383
(EX4/6) Plasma Confinement in the GAMMA 10 Tandem Mirror	391
(EX4/D) Discussions of Session EX4	399
Session EX5 – Transport, Internal Transport Barriers, H-Mode (Thursday,	Volume 2
22 October)	405
(EX5/4) Reduced Transport and $E_R$ Shearing in Improved Confinement Regimes in JT-60U	405
(EX5/5) Behavior of Electron and Ion Transport in Discharges with an Internal Transport Barrier in the DIII-D Tokamak	413
(EX5/6) A Comparative Study of Core and Edge Transport Barrier Dynamics of DIII-D and TFTR Tokamak Plasmas	421
(EX5/D) Discussions of Session EX5	429