

EPS 2019**Monday, 8 July 2019****MCF - Aula Magna, Building U6 (16:30 - 18:30)****-Conveners: G. Granucci**

time	[id] title	presenter
16:30	[2880] I1.101 Exploring Fusion-Reactor Physics with High-Power Electron-Cyclotron- Resonance Heating (ECRH) on ASDEX Upgrade	STOBER, J.
17:00	[2881] I1.102 Advances in the physics studies for the JT-60SA tokamak exploitation and research plan	GIRUZZI, G.
17:30	[2882] I1.103 MeV range particle physics studies in tokamak plasmas using gamma-ray spectroscopy	NOCENTE, M.
18:00	[2883] I1.104 Extended magnetohydrodynamic hybrid simulations with kinetic thermal and fast ions for instabilities in toroidal plasmas	TODO, Y.

Tuesday, 9 July 2019

MCF - Aula Magna, Building U6 (10:40 - 12:40)

-Conveners: R. Coelho

time	[id] title	presenter
10:40	[2898] I2.101 Assessment of alternative divertor configurations for a European DEMO	REIMERDES, H.
11:10	[2963] O2.101 Alternative divertor configurations - physics basis and plans for ASDEX Upgrade	LUNT, T.A.
11:25	[2964] O2.102 The new Divertor Tokamak Test facility	MARTIN, P.
11:40	[2965] O2.103 Comparison of three-dimensional plasma edge turbulence simulations in realistic double null tokamak geometry with experimental observations	RIVA, F.
11:55	[2966] O2.104 Steady and oscillatory applied sheared flows in global gyrokinetic simulations	OHANA, N.
12:10	[2967] O2.105 Investigation of intermittent and continuous transport in the scrape-off layer of ASDEX Upgrade	GRIENER, M.
12:25	[2968] O2.106 Influence of edge plasma parameters on anomalous transport driven by current-convective turbulence in tokamak divertor plasma	STEPANENKO, A.A.

MCF - Aula U6-06, Building U6 (10:40 - 12:40)

-Conveners: K. Cromb 

time	[id] title	presenter
10:40	[2899] I2.102 Wall conditioning in fusion devices with superconducting coils	WAUTERS, T.M.
11:10	[2900] I2.103 Nitrogen transport inventory evolution and ammonia formation in N ₂ -seeded discharges on ASDEX Upgrade and JET	DRENIK, A.
11:40	[2969] O2.107 Modelling of tungsten erosion transport and deposition in fusion devices	KIRSCHNER, A.
11:55	[2970] O2.108 Effect of fuel isotope mass on q-profile formation in JET hybrid plasmas	CHALLIS, C.D.
12:10	[2971] O2.109 Drift kinetic description of neoclassical tearing modes	DUDKOVSKAIA, A.V.
12:25	[2972] O2.110 Stationary ELM-free H-mode in ASDEX Upgrade	GIL, L.

MCF - Aula Magna, Building U6 (16:30 - 18:30)

-Conveners: E. Wolfrum

time	[id] title	presenter
16:30	[2901] I2.104 Simultaneous estimation of transport and power deposition profiles and its consequences for transport	VAN BERKEL, M.
17:00	[2902] I2.105 Validation of low-Z impurity transport theory using charge exchange recombination spectroscopy at ASDEX Upgrade	MCDERMOTT, R.
17:30	[2903] I2.106 Isotope effects on transport and turbulence in LHD	TANAKA, K.
18:00	[2973] O2.111 H-mode power threshold studies at ASDEX Upgrade in mixed ion species plasmas	PLANK, U.

18:15	[2974] O2.112 Impact of SOL-like boundary layer on edge turbulence in global flux-driven gyrokinetic simulations	CASCHERA, E.
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Wednesday, 10 July 2019

MCF - Aula Magna, Building U6 (10:40 - 12:55)

-Conveners: H.-S. Bosch

time	[id] title	presenter
10:40	[2921] I3.101 First-time realization of a stably detached efficient-particle-exhaust divertor regime in the island divertor at Wendelstein 7-X	SCHMITZ, O.
11:10	[2922] I3.102 Understanding ion and impurity flows in the Wendelstein 7-X stellarator	ALONSO, J.A.
11:40	[2985] O3.101 Role of the radial electric field in Wendelstein 7-X	PABLANT, N.A.
11:55	[2986] O3.102 Study of impurity transport in deuterium and hydrogen plasmas in the edge stochastic magnetic field layer of Large Helical Device	OISHI, T.
12:10	[2987] O3.103 Energetic-particle-driven MHD instabilities and their control by ECH/ECCD in helical plasmas	NAGASAKI, K.
12:25	[2988] O3.104 Energy confinement in the pellet-enforced high-density regime at ASDEX Upgrade	LANG, P.T.
12:40	[2989] O3.105 Plasma performance in high-density and high-confinement regimes in Wendelstein 7-X	BOZHENKOV, S.

Thursday, 11 July 2019

MCF - Aula Magna, Building U6 (10:40 - 12:40)

-Conveners: C. Maggi

time	[id] title	presenter
10:40	[2932] I4.101 Dynamics of the edge transport during edge localized mode cycles	VIEZZER, E.
11:10	[2933] I4.102 Gyrokinetic Comparison of JET-ILW and JET-C Pedestal Transport	HATCH, D.
11:40	[3003] O4.101 Formation of a staircase pedestal with suppressed Edge-Localized-Modes (ELMs) in the DIII-D tokamak	ASHOURVAN, A.
11:55	[3004] O4.102 Isotope dependence of the pedestal in JET-ILW type I ELMs H-modes	HORVATH, L.
12:10	[3005] O4.103 Pedestal modes interactions triggering bursts and leading to the onset of edge localized modes on DIII-D	DIALLO, A.
12:25	[3006] O4.104 The ballooning structure of small edge localized modes on AUG and TCV	HARRER, G.F.

MCF - Aula U6-07, Building U6 (16:30 - 18:30)

-Conveners: G. Pautasso

time	[id] title	presenter
16:30	[2936] I4.105 The effect of high-Z material injection on runaway electron dynamics	PAPP, G.
17:00	[2937] I4.106 Shattered pellet injection research on DIII-D in support of ITER Disruption Mitigation System development	SHIRAKI, D.
17:30	[3011] O4.109 Experimental and modelling study of locked mode dynamics prior to disruptions in high performance JET plasmas	PIRON, L.
17:45	[3012] O4.110 Simulation of disruptions in EAST tokamak	VILLONE, F.
18:00	[3013] O4.111 Free-boundary simulations of MHD plasma instabilities in tokamaks	ARTOLA, F.J.
18:15	[3014] O4.112 Analysis of MHD stability and active mode control on KSTAR for disruption prediction and avoidance	PARK, Y.

MCF - Aula Magna, Building U6 (16:30 - 18:30)

-Conveners: R. Ding

time	[id] title	presenter
16:30	[2934] I4.103 Modelling radiative power exhaust towards future fusion devices	WIESEN, S.
17:00	[2935] I4.104 Progress Toward Divertor Detachment in TCV H-mode Discharges	HARRISON, J.
17:30	[3007] O4.105 Energy Transport and Dissipation in DIII-D Detached Divertor Plasmas	LEONARD, A.
17:45	[3008] O4.106 Turbulence driven widening of the near-SOL power width in H-Mode discharges at ASDEX Upgrade	EICH, T.H.

18:00	[3009] O4.107 Integrated operation in achieving steady-state H-mode plasma on EAST	GONG, X.
18:15	[3010] O4.108 Divertor Power Load Studies in ASDEX Upgrade and TCV	FAITSCH, M.

Friday, 12 July 2019

MCF - Aula Magna, Building U6 (10:40 - 12:40)

-Conveners: R. Panek

time	[id] title	presenter
10:40	[2954] I5.101 Progress of physics understanding for long pulse high-performance plasmas on EAST towards steady-state operation of ITER and CFETR	HUANG, J.
11:10	[2955] I5.102 Paths towards new quasi-axisymmetric stellarator designs	HENNEBERG, S.A.
11:40	[3033] O5.101 Ramping up RF power and increasing pulse length in the full tungsten environment of WEST	BOURDELLE, C.
11:55	[3034] O5.102 Modelling of three-ion ICRF schemes with PION	MANTSINEN, M.
12:10	[3035] O5.103 EC assisted start-up experiment and predictions for the next generation fusion experiments	RICCI, D.
12:25	[3036] O5.104 High fusion power in tritium rich scenario in JET	MASLOV, M.