Tuesday, Sept. 12th

08:00 - 08:45	Registration (also possible during breaks and poster session)
08:45 - 09:00	Welcome & practical infos
09:00 - 10:35	**Near-edge physics in L-mode, H-mode and ELM-free regimes**
09:00 - 09:45	› Understanding of near-edge physics in L-mode, H-mode and ELM-free regimes progress in validation, core/edge integration, role of particle source - *Clarisse Bourdelle*
09:45 - 10:10	› Gyrokinetic modelling of the radial electric field well in L-mode edge tokamak plasmas - *Yanick Sarazin*
10:10 - 10:35	› Pedestal turbulence in AUG and JET from a global gyrokinetic perspective - *Leonhard Leppin*
10:35 - 11:05	Coffee break
11:05 - 12:35	**Near-edge physics in L-mode, H-mode and ELM-free regimes**
11:05 - 11:30	› Edge deuterium temperature and toroidal rotation profiles at the ASDEX Upgrade tokamak and comparison to theory - *Pilar Cano Megías*
11:30 - 11:55	› Drift wave nature of the Weakly Coherent Mode on ASDEX Upgrade - *Manuel Herschel*
11:55 - 12:35	› Discussion session
12:35 - 14:20	Lunch
14:20 - 16:20	Poster session 1
16:05 - 16:35	Coffee break
16:35 - 18:20	**Confinement optimisation through shaping: negative triangularity**
16:35 - 17:00	› Initial Transport Results of the DIII-D Negative Triangularity Campaign - *Max Austin*
17:00 - 17:25	› Investigation of Turbulence Properties in Negative Triangularity Plasmas on DIII-D using Beam Emission Spectroscopy - *Samuel Stewart*
17:25 - 17:50	› Pedestal properties of negative triangularity plasma in ASDEX Upgrade - *Branka Vanovac*
17:50 - 18:20	› Discussion session

Wednesday, Sept. 13th

08:45 - 10:20	**SOL/divertor transport and exhaust**
08:45 - 09:30	› Overview on modelling of edge-SOL transport - *Wladimir Zholobenko*
09:30 - 09:55	› Self-consistent simulations of plasma turbulence and neutral dynamics in detachment regime - *Davide Mancini*
09:55 - 10:20	› Influence of self-consistently determined perpendicular transport coefficients on the numerical prediction of turbulent transport in a full WEST discharge - *Ivan Kudashev*
10:20 - 10:50	Coffee break
10:50 - 12:40	**SOL/divertor transport and exhaust**
10:50 - 11:15	› Development of full-f gyrofluid simulations for edge turbulence and magnetic reconnection - *Franz Ferdinand Locker*
11:15 - 12:00	› Injection of low-Z powders: a novel actuator to control pedestal, heat exhaust and plasma wall interaction - *Alessandro Bortolon*
12:00 - 12:40	› Discussion session
12:40 - 14:25	Lunch
14:25 - 16:25	Poster session 2
16:10 - 16:40	Coffee break
16:40 - 18:50	**Confinement optimisation through shaping: spherical tokamaks**
16:40 - 17:05	› Mitigating uncertainty in integrated scenario design for the STEP prototype powerplant - *Francis Casson*
17:05 - 17:30	› Turbulent transport in the core of high-beta spherical tokamaks and predictions for STEP - *Maurizio Giacomin*
17:30 - 17:55	› Pedestal stability analysis of MAST-U H-mode plasmas and impact of plasma shaping parameters - *Koki Imada*
17:55 - 18:20	› Initial results of gyrokinetic analysis of the core plasma in MAST Upgrade - *Bhavin Patel*
18:20 - 18:50	› Discussion session
19:00 - 22:30	Gala Dinner

Thursday, Sept. 14th

09:15 - 10:50	**Impurities from SOL to edge to core**
09:15 - 10:00	› From the core to the divertor: Status of the impurity transport investigations at Wendelstein 7-X - *Felix Reimold*
10:00 - 10:25	› Increasing the predictive capability of impurity densities and their effects in tokamaks with integrated modeling based on theoretical transport models - *Daniel Fajardo*
10:25 - 10:50	› Experimental impurity transport studies for the plasma edge in different confinement regimes at ASDEX Upgrade - *Tabea Gleiter*
10:50 - 11:20	Coffee break
11:20 - 12:10	**Core transport**
11:20 - 11:45	› An algorithmic framework for developing saturation rules in reduced core transport models - *Harry Dudding*
11:45 - 12:10	› Integrated modelling of ohmic ramp-up at TCV - *Michele Marin*
12:10 - 12:45	**Discussion on both topics: Impurities & Core transport**
12:45 - 14:30	Lunch
14:30 - 16:30	Poster session 3
16:15 - 16:45	Coffee break
16:45 - 18:30	**Core transport**
16:45 - 17:10	› Excitation of high frequency waves in non-linear 6D kinetic Vlasov simulation with steep gradients - *Mario Raeth*
17:10 - 17:35	› Applying self-consistent electron heat transport and ECH deposition profile estimation in DIII-D - *Jelle Slief*
17:35 - 18:00	› Experimental validation of momentum transport theory in the core of a tokamak plasma - *Carl Friedrich Benedikt Zimmermann*
18:00 - 18:30	› Discussion session
18:30 - 18:45	Presentation of the candidates for TTF vice-chair

Friday, Sept. 15th

08:45 - 10:20	**Physics of burning plasmas**
08:45 - 09:30	› Overview of JET T and D-T experiments - *Jörg Hobirk*
09:30 - 09:55	› Advanced energetic particle transport models - *Matteo Valerio Falessi*
09:55 - 10:20	› Impact of supra-thermal particles on plasma performances at ASDEX Upgrade with GENE-Tango simulations - *Alessandro Di Siena*
10:20 - 10:30	EU participants vote for new TTF vice-chair
10:30 - 11:00	Coffee break
11:00 - 11:10	Election results
11:10 - 12:15	**Physics of burning plasmas**
11:10 - 11:35	› Experimental assessment of the role of the main ion species composition on the access into H-mode - *Ulrike Plank*
11:35 - 12:15	› Discussion session
12:15 - 12:30	PhD poster prize
12:30 - 12:45	Wrapping and closing words
12:45 - 14:00	Lunch
14:30 - 16:00	Technical tour of the host lab IJL, including the plasma device SPEKTRE

Invited (30' + 15')

Contributed (15' + 10')

TTF2023 annual meeting