

**Agenda for 24th Transport and Confinement Topical Group Meeting
(nominally) IPP Garching, June 29 - July 3, 2020. Held remotely due to COVID-19**

Website at: <https://www.ipp.mpg.de/itpa-meeting-2020>

Remote connection through Zoom, see page 6 of agenda for more information

All times below are in CEST

Breaks can still be used for discussions between meeting participants. Zoom Breakout Rooms will be provided to allow the opportunity for smaller discussions during these times. Following adjournment, the Zoom Room will still be kept open for 1.5 hours for any desired breakouts

Monday June 29

| Start | Length | Speaker | Topic/title |
|-------|--------|---------------|---|
| 13:30 | 00:05 | J. Citrin | TC welcome |
| 13:35 | 00:30 | J. Snipes | Latest Developments at ITER |
| 14:05 | 00:05 | | TC-11: Impurity Transport (C. Angoni) |
| 14:10 | 00:30 | R. McDermott | Update on low Z impurity transport studies in AUG |
| 14:40 | 00:30 | P. Maget | Poloidal asymmetry & collisional transport of heavy impurities in PS regime: a geometrical approach for arbitrary impurity gradient |
| 15:10 | 00:25 | | Break |
| 15:35 | 00:30 | Kyungtak Lim | Impurity scan in turbulent and collisional regimes with GYSELA |
| 16:05 | 00:30 | P. Manas | W behaviour in WEST and modelling |
| 16:35 | 00:30 | T. Puetterich | Recent results on W behaviour at AUG |
| 17:05 | 00:25 | | Break |
| 17:30 | 00:30 | M. Valisa | Recent results on W behaviour at JET |
| 18:00 | 00:30 | T. Odstrcil | Impurity transport studies at DIII-D, recent results |
| 18:30 | 00:30 | Discussion | |
| 19:00 | | | Adjourn / transition to breakouts |

Tuesday June 30

| Start | Length | Speaker | Topic/title |
|-------|--------|----------------|--|
| 11:30 | 00:05 | | TC-19 Characteristics of I-mode plasmas (J. Rice) |
| 11:35 | 00:30 | Zixi Liu | Update on EAST I-mode |
| 12:05 | 00:30 | T. Happel | Update on AUG I-mode |
| 12:35 | 00:30 | K. Stimmel | GENE GK modelling of AUG I-mode and L-mode |
| 13:05 | 00:30 | | Discussion |
| 13:35 | 01:00 | | Break |
| 14:35 | 00:05 | | TC-28 revision of ITER confinement database (S. Kaye) |
| 14:40 | 00:30 | G. Verdoolaege | Summary of closing paper |
| 15:10 | 00:30 | Y. Sarazin | Impact of scaling laws on tokamak dimensioning |
| 15:40 | 00:20 | | Break |
| 16:00 | 00:30 | V. Ostuni | L-mode database extension and analysis with WEST data |
| 16:30 | 00:30 | | Discussion |
| 17:00 | 00:20 | | Break |
| | | | Updates on quasilinear transport models |
| 17:20 | 00:30 | G. Staebler | The local magnetic field scaling of GK transport |
| 17:50 | 00:25 | P. Mantica | Testing the new version of TGLF SAT1 against JET data and GENE simulations |
| 18:15 | 00:45 | J.Citrin | ITER Physics Basis Update --> NF Review papers. Discussion |
| 19:00 | | | Adjourn / transition to breakouts |

Wednesday July 1

| Start | Length | Speaker | Topic/title |
|-------|--------|------------------------|---|
| | | | TC-21 LOC-SOC and associated phenomenology (J. Rice) |
| 13:30 | 00:45 | J. Rice | Summary and discussion of closing paper |
| 14:15 | 00:15 | | Break |
| | | | TC-29: Neural network transport models and training set sampling databases (J. Citrin) |
| 14:30 | 00:05 | | |
| 14:35 | 00:30 | E. Narita | Update on GKW neural network based on JT-60U data |
| 15:05 | 00:30 | K.L. van de Plassche | Update on QuaLiKiz-neural-network 10D, and applications |
| 15:35 | 00:30 | A. Ho | Update on QuaLiKiz-neural-network 15D based on JET data |
| 16:05 | 00:25 | | Break |
| 16:30 | 00:30 | T. Luda di Cortemiglia | 1D AUG profile database based on H-mode confinement DB, and applications |
| 17:00 | 00:30 | O. Meneghini | Update on TGLF and EPED NN models and applications |
| 17:30 | 00:10 | J. Citrin | Towards compiling open multi-machine sampling databases |
| 17:40 | 00:30 | | Discussion |
| 18:10 | | | Adjourn / transition to breakouts |

Thursday July 2

| Start | Length | Speaker | Topic/title |
|-------|--------|---------------------------|---|
| 12:30 | 00:05 | | TC-25 particle transport with pellets (M. Valovic) |
| 12:35 | 00:30 | M. Valovic | Update on mixed-isotope pellet experiments at JET |
| 13:05 | 00:30 | M. Marin | Update on multiple-pellet JET simulations with QuaLiKiz |
| 13:35 | 00:30 | P. Lang | H-mode confinement in the pellet-enforced high-density regime of the all-metal-wall tokamak ASDEX Upgrade |
| 14:05 | 00:30 | | Discussion |
| 14:35 | 00:25 | | Break |
| | | | TC-31 near LCFS L-mode transport (J. Citrin) |
| 15:00 | 00:30 | H. Jhang | Characteristics of the ECH induced LH transition in KSTAR: Preliminary results |
| 15:30 | 00:30 | C. Angioni / C. Kiefer | TGLF validation against AUG experimental results for ITER PFPO-1 predictions |
| 16:00 | 00:20 | | Break |
| 16:20 | 00:30 | G. Snoep | GENE studies of JET L-mode edge and QuaLiKiz validation |
| 16:50 | 00:30 | B. Grierson | Experimental plan for DIII-D |
| 17:20 | 00:30 | | Discussion |
| 17:50 | | | Adjourn / transition to breakouts |

Friday July 3

| Start | Length | Speaker | Topic/title |
|-------|--------|------------------------|---|
| 13:15 | 00:05 | | TC-13 electron and ion threshold and stiffness (P. Mantica) |
| 13:20 | 00:30 | T. Watanabe | Multiscale TEM-ETG GK simulations |
| 13:50 | 00:30 | M.J. Pueschel | Stable-mode saturation near the turbulence threshold |
| 14:20 | 00:20 | | Break |
| 14:40 | 00:30 | A. Mariani | Validating QL models against GENE single scale in D and T plasmas |
| 15:10 | 00:30 | N. Bonanomi/P. Mantica | ETG studies in JET and AUG: experiments and modelling |
| 15:40 | 00:20 | | Break |
| 16:00 | 00:30 | J. Citrin | Comparison of GENE and QuaLiKiz in ETG studies on the JET hybrid scenario |
| 16:30 | 00:30 | C. Holland | Update from GK analysis of DIII-D power scans |
| 17:00 | 00:30 | | Discussion |
| 17:30 | 00:10 | J.Citrin | Closing |
| 17:40 | | | Adjourn / transition to breakouts |

Remote Participation Information

Live streaming of presentations will be carried out with Zoom via shared screens

If agreed, participants are kindly requested to email presentations to the meeting chair (J.Citrin@differ.nl) for archiving

<https://zoom.us/j/94474245953?pwd=UmVLVzBIZWpQZmg2TmhtNzAremZ0UT09>

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