

Agenda, ITPA DivSOL meeting in Prague, Monday, October 21st 2024

DSOL-47, DSOL-48, DSOL-49, DSOL-45, DSOL-37

| Aimed time | Local Time | DSOL session, title of talk | Presentation time | Question time | Chair | Speaker |
|------------|------------|--|-------------------|---------------|-------------------|----------------------|
| 8:15 | 8:15 | Opening session | | | Juergen Rapp | |
| | 8:15 | Opening words and short guidance | 0:10 | | | Juergen Rapp |
| | 8:25 | Logistics | 0:10 | | | David Tskhakaya |
| 8:35 | 8:35 | DSOL-47 | | | Volker Rohde | |
| | 8:35 | DSOL-47 intro | 0:05 | | | Volker Rohde |
| | 8:40 | Simulation of GD during boronization | 0:12 | 0:03 | | Tom Wauters |
| | 8:55 | B layers in PSI-2 and TOMAS: deposition, characterization and plasma erosion | 0:12 | 0:03 | | Anne Houben |
| | 9:10 | Preparation of boronization experiments in AUG and WEST | 0:12 | 0:03 | | Volker Rohde |
| | 9:25 | DSOL-48 | | | Florian Effenberg | |
| 9:25 | 9:25 | DSOL-48 intro | 0:05 | | | Florian Effenberg |
| | 9:30 | Multimachine scaling of B mass injection | 0:12 | 0:03 | | Alessandro Bortolon |
| | 9:45 | Wall conditioning effects of SBI in KSTAR | 0:12 | 0:03 | | Hanna Schamis |
| | 10:00 | Update on IPD real-time boronization in EAST | 0:12 | 0:03 | | Zhe Wang |
| | 10:15 | Integrated modeling of SBI in DIII-D and ITER | 0:12 | 0:03 | | Florian Effenberg |
| | 10:30 | Coffee break | 0:30 | | | |
| 11:00 | 11:00 | DSOL-49 | | | Suguru Masuzaki | |
| | 11:00 | DSOL-49 intro | 0:05 | | | Suguru Masuzaki |
| | 11:05 | Fuel retention in WEST: link with boronization | 0:12 | 0:03 | | Emmanuelle Tsitrone |
| | 11:20 | LIBS results in TOMAS | 0:12 | 0:03 | | Sebastijan Brezinsek |
| | 11:35 | Boron film and powder laboratory experiments | 0:12 | 0:03 | | Alessandro Bortolon |
| | 11:50 | Boron layer experiments in Magnum-PSI | 0:12 | 0:03 | | Tom Morgan |
| | 12:05 | DSOL-45 | | | David Douai | |
| 12:05 | 12:05 | DSOL-45 intro | 0:05 | | | David Douai |
| | 12:10 | Hydrogen removal by He-ECWC in the Integrated Commissioning Phase of JT-60SA | 0:12 | 0:03 | | Masakatsu Fukumoto |
| | 12:25 | Results from boronization assisted ICWC on EAST with full metal wall | 0:12 | 0:03 | | Yanhong Guan |
| | 12:40 | 1D modelling of ECH plasmas: a comparison between TOMATOR1D and SOLPS-ITER codes | 0:12 | 0:03 | | Anthony Piras |
| | 12:55 | Lunch break | 1:00 | | | |
| 13:55 | 13:55 | Panel discussion: wall conditioning and boronization | 2:30 | | Suguru Masuzaki | |
| | 16:25 | Coffee break | 0:30 | | | |
| | 16:55 | DSOL-37 | | | Manni Jia | |
| 16:55 | 16:55 | DSOL-37 intro | 0:05 | | | Manni Jia |
| | 17:00 | Progress of DSOL37 joint experiments in EAST | 0:12 | 0:03 | | Hua Yang |
| | 17:15 | Progress of divertor detachment on W7-X | 0:12 | 0:03 | | Victoria Winters |
| | 17:30 | Progress of experiments with RMPs in the HL-3 tokamak | 0:12 | 0:03 | | Dongmei Fan |
| 17:45 | 17:45 | Adjourn | | | | |

Agenda, ITPA DivSOL meeting in Prague, Tuesday, October 22nd 2024

DSOL-41, DSOL-43, DSOL-40 / DSOL-34

| | Local Time | DSOL session, title of talk | Presentation time | Question time | Chair | Speaker |
|------------|---|---|-------------------|-----------------|-----------------|--------------------------------|
| Aimed time | 8:30 | DSOL-41 | | | Adam McLean | |
| | | 8:30 DSOL-41 intro | 0:05 | | | Sven Wiesen |
| | | 8:35 JET DTE3 detachment neon seeding | 0:12 | 0:03 | | Nicola Vianello or Sven Wiesen |
| | | Heat load control with Supersonic Molecular beam injection in HL-2A and HL-3 | 0:12 | 0:03 | | Guoliang Xiao |
| | | 9:05 Long legged divertor detachment in DIII-D | 0:12 | 0:03 | | Morgan Shafer |
| | | Modeling of detachment dynamics in a closed chimney-pumped divertor in DIII-D | 0:12 | 0:03 | | Andreas Holm / Mathias Groth |
| | | 9:35 Divertor-to-core modeling framework with ASTRA-STRAHL-SOLPS | 0:12 | 0:03 | | Livia Casali |
| | | 9:50 XPR in EAST | 0:12 | 0:03 | | Kai Wu |
| | | 10:05 XPR detachment in JET | 0:12 | 0:03 | | Matthias Bernert |
| | | 10:20 | | | | |
| | | 10:20 Coffee break | 0:30 | | | |
| | | 10:50 | | | | |
| | | 10:50 DSOL-43 | | | David Eldon | |
| | | 10:50 DSOL-43 intro | 0:05 | | | Matthias Bernert |
| | | 10:55 Detachment control, ITER needs | 0:12 | 0:03 | | Timo Ravensbergen |
| | 11:10 Detachment control MAST-U, resilience against T-cliff | 0:12 | 0:03 | | Lennard Ceelen | |
| | 11:25 Comparison of detachment control from JET to AUG | 0:12 | 0:03 | | Thomas Bosman | |
| | 11:40 Dynamic response model of the detachment feedback control on EAST | 0:12 | 0:03 | | Kai Wu | |
| | 11:55 Model-based control strategies for managing actuator latency | 0:12 | 0:03 | | Anchai Gupta | |
| | KSTAR detachment control design progress including a surrogate model as a control observer and MIMO support | 0:12 | 0:03 | | KyuBeen Kwon | |
| | 12:10 | | | | | |
| | 12:25 | DSOL-40/DSOL-34 | | | Michael Faitsch | |
| | 12:25 DSOL-40 intro | 0:05 | | | Michael Faitsch | |
| | 12:30 Experimental ELM buffering in JET and PIC simulations for AUG | 0:12 | 0:03 | | Michael Komm | |
| | 12:45 PIC simulations of ELM buffering for AUG | 0:12 | 0:03 | | David Tskhakaya | |
| | 13:00 | | | | | |
| | 13:00 Lunch break | 1:00 | | | | |
| | 14:00 | | | | | |
| | 14:00 DSOL-40/DSOL-34 continued | | | Nicola Vianello | | |
| | 14:00 The QCE regime in JET | 0:12 | 0:03 | | Michael Faitsch | |
| | 14:15 Separatrix analysis in C-mod | 0:12 | 0:03 | | Andres Miller | |
| | 14:30 Report on the ITPA Joint Experiment on Small ELMs, PEP-DSOL-1 | 0:12 | 0:03 | | Xuequiao Xu | |
| | 14:45 | | | | | |
| | 14:45 Coffee break | 0:30 | | | | |
| | 15:15 | | | | | |
| | 15:15 Panel discussion: SOL and boundary transport | 2:45 | | Adam McLean | | |
| | 18:00 | | | | | |
| | 18:00 | Adjourn | | | | |

Agenda, ITPA DivSOL meeting in Prague, Wednesday, October 23rd 2024 DSOL-34, DSOL-50, DSOL-51, DSOL-46

| | Local Time | DSOL session, title of talk | Presentation time | Question time | Chair | Speaker |
|------------|------------|--|-------------------|---------------|----------------------|--------------------------|
| Aimed time | 8:30 | DSOL-34 | | | Nicola Vianello | |
| | 8:30 | DSOL-34 intro | 0:15 | | | Nicola Vianello |
| | 8:45 | Far SOL transport on DIII-D in different ELMing regimes The edge turbulence transition and related SOL | 0:12 | 0:03 | | Renato Perillo |
| | 9:00 | transport towards high density operation New insights into the physics of the H-mode density limit (HDL) on JET and through highly resolved edge profile measurements | 0:12 | 0:03 | | Ning Yan |
| | 9:15 | | 0:12 | 0:03 | | Christian Perez von Thun |
| | 9:20 | DSOL-50 | | | Wouter Tierens | |
| | 9:30 | DSOL-50 intro | 0:10 | | | Wouter Tierens |
| | 9:40 | Tungsten gross erosion and plasma impurity contamination in WEST: insight from ICRF heated L- mode plasmas | 0:12 | 0:03 | | Nicolas Fedorczak |
| | 9:55 | RF codes benchmark and validation against experiments with 3-strap antenna in AUG | 0:12 | 0:03 | | Guillaume Urbanczyk |
| | 10:10 | RF codes benchmark on WEST | 0:12 | 0:03 | | Wouter Tierens |
| | 10:25 | Petra-M modeling of the W7-X ICRF antenna | 0:12 | 0:03 | | Syun'ichi Shiraiwa |
| | 10:40 | Coffee break | 0:30 | | | |
| | 11:10 | DSOL-51 | | | Karl Krieger | |
| | 11:10 | DSOL-51 intro | 0:10 | | | Karl Krieger |
| | 11:20 | ERO2.0 | 0:12 | 0:03 | | Christoph Baumann |
| | 11:35 | Eirene-TIM | 0:12 | 0:03 | | Derek Harting |
| | 11:50 | DIVIMP | 0:12 | 0:03 | | Henri Kumpulainen |
| | 12:05 | GITR, GITRm | 0:12 | 0:03 | | Tim Younkin |
| | 12:20 | JINTRAC's impurity transport assumptions | 0:12 | 0:03 | | Jaegon Lee |
| | 12:35 | Lunch break | 1:00 | | | |
| | 13:35 | DSOL-46 | | | Sebastijan Brezinsek | |
| | 13:35 | DSOL-46 intro | 0:10 | | | Rui Ding |
| | 13:45 | Erosion of tungsten in JET-ILW deuterium and tritium plasmas | 0:12 | 0:03 | | Henri Kumpulainen |
| | 14:00 | Update on CXN studies in EAST | 0:12 | 0:03 | | Jin Guo |
| | 14:15 | Updates on CXN neutral measurements with MEMS sensor technology | 0:12 | 0:03 | | Ryan Hood |
| | 14:30 | Fast ion losses and impact on W sources | 0:12 | 0:03 | | Antti Snicker |
| | 14:45 | Coffee break | 0:30 | | | |
| | 15:15 | Panel discussion: tungsten sources and transport | 2:30 | | Karl Krieger | |
| | 17:45 | Adjourn | | | | |
| | 19:30 | Workshop dinner at Cerveny Jelen | | | | |

Agenda, ITPA DivSOL meeting in Prague, Thursday, October 24th 2024

DSOL-39, DSOL-44

| | Local Time | DSOL session, title of talk | Presentation time | Question time | Chair | Speaker |
|------------|---|--|-------------------|---------------|---------------------|---------------------|
| Aimed time | 8:30 | DSOL-39 | | | Richard Pitts | |
| | | 8:30 DSOL-39 intro | 0:10 | | | Richard Pitts |
| | | 8:40 Latest ITER modeling on RE | 0:12 | 0:03 | | Svetlana Ratynskaia |
| | | 8:55 Toroidal gap melting experiment on WEST | 0:12 | 0:03 | | Yann Corre |
| | | 9:10 Damage of W PFCs by transient heat flux on EAST | 0:12 | 0:03 | | Dahuan Zhu |
| | | RE damage on WEST and associated radioprotection analysis | 0:12 | 0:03 | | Emmanuelle Tsitrone |
| | | 9:40 Plans for RE impact experiments on AUG and WEST | 0:12 | 0:03 | | Yann Corre |
| | | 9:55 First report on 2nd DIII-D RE DiMES exposure | 0:12 | 0:03 | | Richard Pitts |
| | | 10:10 | | | | |
| | 10:10 | Coffee break | 0:30 | | | |
| | | 10:40 | | | | |
| | 10:40 | DSOL-44 | | | Emmanuelle Tsitrone | |
| | | 10:40 DSOL-44 intro | 0:10 | | | Emmanuelle Tsitrone |
| | | The low-cycle thermal fatigue cracking of plasma-facing tungsten due to strike point sweeping | 0:12 | 0:03 | | James Hargreaves |
| | | Observations of W cracking on leading edges of WEST phase I non-beveled monoblocks and comparison with simulations of crack initiation and propagation | 0:12 | 0:03 | | Yann Corre |
| | First observations of W cracking on top surfaces of WEST phase 2 beveled monoblocks | 0:12 | 0:03 | | Emmanuelle Tsitrone | |
| | Testing of DTT mock up under a high number of pulses in Gladis | 0:12 | 0:03 | | Johann Riesch | |
| | 11:50 | | | | | |
| 11:50 | Panel discussion: PFC damage and lifetime | 1:30 | | Marius Wirtz | | |
| | 13:20 | | | | | |
| 13:20 | 13:20 Meeting closing | 0:10 | | Juergen Rapp | | |
| | 13:30 | | | | | |
| 13:30 | 13:30 Adjourn | | | | | |