

Session Program

26-29 Jan 2026

37th meeting of the ITPA Divertor and Scrape-Off-Layer Topical Group meeting

Day 2

Zoom

Tuesday 27 January

08:30

Day 2: DSOL-41

Session | Location: Zoom

08:30–08:35 **DSOL-41 Intro**

Speakers

Adam McLean, Sven Wiesen

08:35–08:50 **XPR turbulence simulations with GRILLIX**

Speaker

Konrad Eder

08:50–09:05

Physics insights from a large-scale 2D UEDGE simulation database for detachment control in KSTAR

Speaker

M. Zhao

09:05–09:20

Recent progresses of radiation mantle, XPR and CRD on EAST

Speakers

Kedong Li, Kai Wu

09:20–09:35

A predictive formula for the H-Mode separatrix density: Bridging regression and physics-based models across C-Mod, AUG and JET tokamaks

Speaker

Davide Silvagni

09:35–09:50

Mechanism of divertor quick transition process to X-point radiators in the WEST tokamak using time-dependent simulations.

Speaker

Hao YANG

09:50–10:05

Dynanic modeling of XPR formation in ITER

Speaker

Anastasia Poletaeva

10:05–10:20

Integrated modeling of divertor detachment considering wall material evolution

Speaker

Xu Guoliang

10:20

10:20

10:50

Day 2: Discussion DSOL-41

Session | Location: Zoom | Conveners: Sven Wiesen, Adam McLean

11:10

Day 2: DSOL-46**Session** | **Location:** Zoom**11:10-11:15 DSOL-46 intro****Speaker**

Rui Ding

11:15-11:30 Upgraded ERO simulation for ITER with wide grid**Speaker**

Christoph Baumann

11:30-11:45 Recent experimental results on EAST and AUG**Speaker**

M. Rasinski

11:45-12:00 Updated CXN studies on EAST**Speaker**

Jin Guo

12:00-12:15**R&D updates on PdMIS Charge-Exchange Sensors with MEMS shutters****Speaker**

Ryan Hood

12:15

12:15

12:45

Day 2: Discussion DSOL-46**Session** | **Location:** Zoom | **Conveners:** Sebastijan Brezinsek, Rui Ding

13:45

Day 2: DSOL-43**Session** | **Location:** Zoom**13:45-13:50 DSOL-43 intro****Speaker**

Matthias Bernert

13:50-14:05 AUG detachment control: recent experiments and future plans**Speaker**

Pierre David

14:05-14:20**Synthetic system identification using multisine perturbations with SOLPS-ITER****Speaker**

Stijn Kobussen

14:20-14:35**Long-pulse detachment feedback control progress and the removal strategy of the wall-retained impurities on EAST****Speaker**

Kai Wu

14:35-14:50 DIII-D & KSTAR experimental overview

14:50	Speaker David Eldon
14:50	Day 2: DSOL-43 Discussion Session Location: Zoom Convener: Matthias Bernert
15:20	
15:40	Day 2: MDC-DSOL-1 Session Location: Zoom
	15:40–15:45 MDC-DSOL-1 intro Speaker Karl Krieger
	15:45–16:00 AUG plans to expose W limiter to RE impact Speaker Karl Krieger
	16:00–16:15 JOEKE RE final loss instability modeling progress Speaker Matthias Hoelzl
	16:15–16:30 RE impact material damage modeling progress Speaker Svetlana Ratynskaia
	16:30–16:45 DIII-D graphite limiter impacts with REs Speaker Eric Hollmann
16:45	
16:45	Day 2: Discussion MDC-DSOL-1 Session Location: Zoom Convener: Karl Krieger
17:15	
17:15	Day 2: CFS Session Session Location: Zoom
	17:15–17:30 SepOS for SPARC, current activities and recent results Speaker Thomas Eich
	17:30–17:45 Predicting detachment access via fast, analytical models for SPARC Speaker Bart Lomanowski
	17:45–18:00 The capabilities of the Boundary Digital Twin in preparation for SPARC operation: Current Status and outlook Speaker ANDREAS REDL
18:00	
18:00	Day 2: CFS Session Discussion Session Location: Zoom Convener: Sven Wiesen
18:30	