

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Exhaust & Control

Thursday 16 October

16:10

Exhaust & Control

Session | Location: Chengdu, China | Convener: Alex
Creely

16:10–16:30 **Drift flows impact island divertor operation in Wendelstein 7-X**

Speaker
Carsten Killer

16:30–16:50

REAL-TIME FEEDBACK CONTROL OF RADIATION FRONT POSITION FOR DETACHMENT IN MULTI-DEVICE STUDIES: APPLICATION OF MACHINE LEARNING ON DIII-D AND KSTAR

Speaker
CheolSik Byun

16:50–17:10

FIRST SOLPS-ITER WIDE GRID SIMULATIONS OF THE ITER BURNING PLASMA SCRAPE-OFF LAYER

Speaker
Prof. Elizaveta Kaveeva

17:10–17:30

Modelling divertor solutions for power exhaust: in-depth experimental validation in TCV

Speaker
Elena Tonello

17:30–17:50

SOLPS-ITER Simulations of an X-point Radiator in the DIII-D High-beta Hybrid Plasmas

Speaker
Xinxing Ma

17:50–18:10

Breakthrough in Field-Reversed Configuration Formation and Sustainment via Neutral-Beam Injection in C-2W

Speaker
Dr Hiroshi Gota

18:10