

Session Program

28–31 Oct 2025

Fifth Technical Meeting on Divertor Concepts

Scrape-off-Layer and Divertor Physics

IAEA Headquarters, Press Room (M-Building)

Thursday 30 October

11:15

Scrape-off-Layer and Divertor Physics

Session | Location: IAEA Headquarters, Press Room (M-Building) | Convener: Marco Wischmeier

11:15–11:20 Topical Session 4 - Scrape-off-Layer and Divertor Physics

Speaker

Marco Wischmeier

11:20–12:00

Linking power exhaust constraints with the Separatrix Operating Space through multi-machine (ITER, JET, SPARC) modelling and experiments

Speaker

Bart Lomanowski

12:00–12:20

On the validation of dynamic models for (exhaust) control on DEMO class devices; a comparison in multiple fidelities to experiments in TCV

Speaker

Gijs Derks

12:20

14:00

Scrape-off-Layer and Divertor Physics

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14:00–14:20 Status of Divertor Operation in Stellarators

Speaker

Victoria Winters

14:20–14:40 Heat Transport Widths and its Scaling in the W7-X Island Divertor

Speaker

Mr Amit Kharwandikar

14:40–15:00

Spectroscopic investigations of island plasma parameters and impurity enrichment in the W7-X island divertor

Speaker

Frederik Henke

15:00–15:20 Increased power operation with water-cooled divertors at Wendelstein 7-X

Speaker

Valeria Perseo

15:20

15:50

Scrape-off-Layer and Divertor Physics

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15:50–16:10 Long-pulse detached scenario by feedback N2 seeding on EAST

Speaker

Kai Wu

16:10–16:30

The “Chimney” divertor: A closed divertor with mid-leg pumping for core-edge integration in DIII-D

Speaker
Robert Wilcox

16:30–17:15 **Discussion**

17:15