

Session Program

28–31 Oct 2025

Fifth Technical Meeting on Divertor Concepts

X-point and other Radiator Regimes

IAEA Headquarters, Press Room (M-Building)

Wednesday 29 October

09:00

X-point and other Radiator Regimes

Session | Location: IAEA Headquarters, Press Room (M-Building) | Convener: Felix Reimold

09:00–09:05 Topical Session 2 - X-point and other radiator regimes

Speaker

Felix Reimold

09:05–09:45 Overview of XPR experiments and gaps in extrapolating to future devices

Speaker

Tilmann Lunt

09:45–10:05

On the effect of mixed impurity seeding on occurrence and stability of the X-point radiator in fusion reactors

Speaker

ULRICH STROTH

10:05–10:25 Progress towards JINTRAC integrated modelling of X-point radiators

Speaker

Sven Korving

10:25–10:45 The X-Point radiating regime at JET in D and DT plasmas with mixed impurities

Speaker

Ou Pan

10:45

11:15

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11:15–11:35

Impact of plasma scenario on W erosion and migration: comparison between WEST experiments and SOLEDGE3X-ERO2.0 simulations

Speaker

Guido CIRAULO

11:35–11:55

Experimental characterization and numerical investigation of X-point radiator regime in WEST

Speaker

Eric SERRE

11:55–12:15 X-POINT TARGET RADIATOR AS A POTENTIAL REACTOR EXHAUST SOLUTION

Speaker

Prof. Christian Theiler

12:15

13:50

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13:50–14:10 First attempts to establish an X-point radiator regime on MAST-U in N-seeded H-modes

Speaker
Stuart Henderson

14:10–14:30

Characterization of X-point radiation operational space and performance impact in DIII-D H-mode discharges

Speaker
Filippo Scotti

14:30–14:50

Experimental research on the deeply detached X-point radiator regime on EAST

Speaker
Kedong Li

14:50–15:30

Discussion

15:35