

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Transport Barriers

Saturday 18 October

08:30

Transport Barriers

Session | Location: Chengdu, China | Convener: Eleonora Viezzer

08:30–08:50

CORE AND EDGE TRANSPORT OF SCENARIO WITH INTERNAL TRANSPORT BARRIER IN TRITIUM AND DEUTERIUM-TRITIUM PLASMAS IN JET WITH BE/W WALL

Speaker

Dr Costanza Maggi

08:50–09:10

Achievement of a high-density, high-confinement, and high beta tokamak plasma regime for ITER and FPP

Speaker

A. M. Garofalo

09:10–09:30

DEVELOPMENT OF HIGH POLOIDAL BETA SCENARIO FOR LONG-PULSE OPERATION IN COLLABORATION BETWEEN DIII-D AND KSTAR

Speaker

Youngmu Jeon

09:30–09:50

Peeling limited pedestals in JET, MAST-U and TCV: effect of density and isotope mass in deuterium and tritium-rich plasma on pedestal structure and stability and validation of pedestal predictions for ITER.

Speaker

Lorenzo Frassinetti

09:50–10:10

High Pedestal Pressure Path to High Fusion Performance Leveraging the New "Shape and Volume Rise" Divertor on DIII-D

Speaker

Theresa Wilks

10:10