

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

PFC & Materials

Thursday 16 October

16:10

PFC & Materials

Session | Location: Chengdu, China | Convener: Arnold Lumsdaine

16:10–16:30

WEST OPERATION – RELIABILITY AND AVAILABILITY OF A LONG PULSE FUSION TOKAMAK

Speaker
Valerie LAMAISON

16:30–16:50

ACTIVELY COOLED PLASMA FACING COMPONENTS DESIGN FOR W7-X AND JT-60SA IN SUPPORT OF THE ITER DIVERTOR

Speaker
Marianne Richou

16:50–17:10

Advancing Plasma-Facing Materials for Fusion Pilot Plants at DIII-D

Speaker
Dr Jonathan Coburn

17:10–17:30

THE DIVERTOR TOKAMAK TEST FACILITY: MACHINE DESIGN, CONSTRUCTION AND COMMISSIONING

Speaker
Gian Mario Polli

17:10–17:30

Design and qualification activity of the first divertor of the DIVERTOR TOKAMAK TEST FACILITY

Speaker
Selanna Roccella

17:30–17:50

PERFORMANCE EVALUATION OF TUNGSTEN FIBER-REINFORCED TUNGSTEN COMPOSITES DEVELOPED AT SWIP FOR APPLICATION IN NUCLEAR FUSION REACTORS

Speaker
Juan Du

17:50–18:10

ANALYSIS OF FUEL RETENTION AND RECOVERY IN JET WITH BE-W WALL

Speaker
Dr Dmitry Matveev

18:10