

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Stellarator, Theory & Spherical Tokamak

Wednesday 15 October

08:30

Stellarator, Theory & Spherical Tokamak

Session | Location: Chengdu, China | Convener: Francesca POLI

08:30–08:55 Overview of Wendelstein 7-X high-performance operation

Speaker

Olaf Grulke

08:55–09:20

RECENT ADVANCES IN PLASMA CONTROL AND PHYSICS RESEARCH IN THE LARGE HELICAL DEVICE

Speaker

Kenji Tanaka

09:20–09:45

OVERVIEW OF STELLARATOR PHYSICS AND ENGINEERING SIMULATION AND MODELING FOR FUSION PILOT PLANT DESIGN AND OPTIMIZATION

Speaker

Randy Churchill

09:45–10:10

TOWARDS DIGITAL TWINS OF FUSION SYSTEMS

Speaker

Frank Jenko

10:10–10:35

OVERVIEW OF THE MAST UPGRADE PHYSICS PROGRAMME: TESTING NOVEL CONCEPTS AT LOW ASPECT RATIO TO INFORM FUTURE DEVICES

Speaker

James Harrison

10:35