

Session Program

13–18 Oct 2025

30th IAEA Fusion Energy Conference (IAEA FEC 2025)

Burning Plasma

Friday 17 October

10:40

Burning Plasma

Session | Location: Chengdu, China | Convener: Aleksandr Melnikov

10:40–11:00	Comprehensive Simulations of Bursting and Non-Bursting Alfvén Waves in ICRF Heated Tokamak Plasmas Speaker Dr JIALEI Wang
11:00–11:20	THEORY AND SIMULATION OF PHASE SPACE TRANSPORT IN BURNING PLASMAS Speaker Fulvio Zonca
11:20–11:40	FUSION ALPHA-PARTICLE-DRIVEN ALFVEN EIGENMODES IN JET DT PLASMAS: EXPERIMENTS AND THEORY Speaker Dr Sergei Sharapov
11:40–12:00	Turbulence, zonal flows, and global modes in burning plasmas: code development and simulations Speaker Axel Könies
12:00–12:20	SIMULATION OF ALPHA POWER DYNAMICS IN DIII-D Speaker Francesca Turco
12:20–12:40	Advancing Tritium Fueling for DT Fusion in HL-3: Innovations in SMBI Techniques and Physics-Based Tritium Fueling Strategies Speaker Guoliang Xiao

12:40