

Session Program

23 June 2026

SP F kick-off meeting 2026

SP F1: Boronization physics and fuel retention

Videoconference

Tuesday 23 June

14:10

SP F1: Boronization physics and fuel retention: SP F1: Boronization physics and fuel retention

Session | Location: Videoconference

14:10-14:26

Comprehensive dataset on boron layer thickness, spatial homogeneity, erosion and redeposition behavior in AUG based on QMB, IBA witness samples and long-term silicon samples & Benchmarking assessment comparing GD boronization procedures and post-boronization plasma performance between WEST and AUG

Speaker

Sehoon An

14:26-14:42

Development and fabrication of stable hydrogen-doped boron-coated samples and pre- and post-exposure characterization after plasma treatment in TOMAS and PSI-2 facilities & Characterization of laboratory and "boronization" samples with different techniques (IBA, SEM, XPS...)

Speaker

Anne Houben

14:42-14:50

Evaluation of hydrogen-doped boron coating stability, erosion rates, and lifetime under wall conditioning plasmas

Speaker

Andrei Gorjaev

14:50-14:58

Assessment of deuterium removal from ion-implanted mixed tungsten-boron layers following exposure to TOMAS wall-conditioning plasmas

Speaker

Eduardo Pitthan Filho

14:58-15:06

Quantification of B-rich layer thickness, structure and chemical composition as a function of toroidal and poloidal position of the collector probe from non-uniform boronization in WEST

Speaker

Alberto Gallo

15:06-15:16

SP F1 Discussion

Speaker

Andrei Gorjaev

15:16