

Session Program

22-27 Oct 2018

27th IAEA Fusion Energy Conference - IAEA CN-258

EX/1-TH/1 Energetic Particles

Mahatma Mandir Conference Centre
Gandhinagar (nearest Airport: Ahmedabad), India

Tuesday 23 October

10:45

EX/1-TH/1 Energetic Particles

Session | Location: Mahatma Mandir Conference Centre, Gandhinagar (nearest Airport: Ahmedabad), India

10:45–11:05

Strongly non-linear energetic particle dynamics in ASDEX Upgrade scenarios with core impurity accumulation

Speaker

Dr Philipp Lauber

11:05–11:25

Simulations of energetic particle driven instabilities and fast particle redistribution in EAST tokamak

Speaker

Dr Wei Shen

11:25–11:45

Reduced energetic particle transport models enable comprehensive time-dependent tokamak simulations

Speaker

Dr Mario Podesta

11:45–12:05

Critical fast ion distribution in phase space for the synchronized sudden growth of multiple Alfvén eigenmodes and the global transport of fast ions

Speaker

Dr Yasushi Todo

12:05–12:15

Impact of ECH/ECCD on Fast-ion-driven MHD Instabilities in Helical Plasmas & Excitation mechanism of the energetic particle driven resistive interchange mode and strategy to control the mode in Large Helical Device

Speaker

Dr Satoshi Yamamoto

12:15–12:25

Excitation mechanism of the energetic particle driven resistive interchange mode and strategy to control the mode in Large Helical Device

Speaker

Dr Satoshi Yamamoto

12:30