

Session Program

22-27 Oct 2018

27th IAEA Fusion Energy Conference - IAEA CN-258

P2 Posters

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

Tuesday 23 October

14:00

P2 Posters

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

Characterization of Particle Growth and Enhancement of Sputtering Yields in a Co-generated Dusty Plasma

Speaker

Dr JYOTIRMOY PRAMANIK

Comparison of energetic particle radial transport between single-n and multiple-n simulations of Alfvénic modes

Speaker

Gregorio Vlad

Advances in Plasma-Wall Interaction Control for H-mode Operation over 100s with ITER-like Tungsten Divertor on EAST

Speaker

Dr Liang Wang

Advanced energetic ion and impurity ion physics in 2D and 3D magnetically confined plasmas

Speaker

Dr Jonathan Graves

Tungsten control in NBI-dominant H-mode discharges in EAST tokamak

Speaker

Dr Ling Zhang

Numerical simulations of GAE stabilization in NSTX-U

Speaker

Dr Elena Belova

Simulations of two types of energetic particle driven geodesic acoustic modes and the energy channeling in the Large Helical Device plasmas

Speaker

Dr Hao WANG

Reconstruction of MHD modes for energetic particle dynamics studies in toroidal equilibria with arbitrary q profiles

Speaker

Dr Pablo Garcia-Martinez

Effect of Cathode Geometry on Magnetically Coupled Hollow Cathode Plasma Source

Speaker

Mr Montu Bhuva

Design and Qualification of Precision Support Structure for Diagnostics

Speaker

Mr Shrishail Padasalagi

Radial Characteristics of a Magnetized Plasma Column

Speaker
Mr Satadal Das

Simulation of Toroidicity-Induced Alfvén Eigenmode Excited by Energetic Ions in HL-2A Tokamak Plasmas

Speaker
Dr Hongda He

Investigations on Temperature Fluctuations and Energy Transport in ETG Dominated Large Laboratory Plasma

Speaker
Mr Prabhakar Srivastav

Effect of the Controlled Density Gradient on Equilibrium and Confinement in a Simple Toroidal Device with two plasma sources

Speaker
Mr Umesh Kumar

Fast-ion studies in high performance fully non-inductive discharges on EAST

Speaker
Ms Juan Huang

Burning Plasma Simulation with Alpha-Particle Heating

Speaker
Mr Udaya Maurya

A promising grassy ELM regime for high-performance steady-state operations with metal wall in EAST and CFETR

Speaker
Dr Guosheng Xu

Analysis of energetic particle driven toroidal Alfvén eigenmodes in CFETR baseline scenario

Speaker
Dr Yawei Hou

Modeling studies of X-divertor configuration on SST-1 tokamak using SOLPS5.1

Speaker
Mrs Himabindu Manthana

Comprehensive magnetohydrodynamic hybrid simulations of fast ion losses due to the fast ion driven instabilities in the Large Helical Device

Speaker
Dr RYOSUKE SEKI

Transport induced by energetic geodesic acoustic modes

Speaker
Dr David Zarzoso

Experimental Study of Multi-scale Interaction between (Intermediate, Small)-scale Microturbulence and MHD modes in EAST Plasmas

Speaker
Dr Pengjun Sun

Global gyrokinetic multi-model simulations of ITG and Alfvénic modes for tokamaks and the first operational phase of Wendelstein 7-X

Speaker
Dr Ralf Kleiber

Progress towards Development of Long Pulse ITER Operation through RF Heated H-mode Experiments on EAST and HL-2A

Speaker
Dr Annika Ekedahl

Simulation Study of Heat Transport with On-Off Axis ICRH in Thailand Tokamak Using BALDUR Code

Speaker
Ms Jiraporn Promping

Verification and Validation of Integrated Simulation of Energetic Particles in Toroidal Plasmas

Speaker
Zhihong Lin

Self-consistent gyrokinetic description of the interaction between Alfvén modes and turbulence

Speaker
Dr Alessandro Biancalani

Model-Predictive Kinetic Control for Steady State Plasma Operation Scenarios on EAST

Speaker
Prof. Didier Moreau

Leak Width in a Multi-cusp Field Configuration: A Revisit with a Versatile Experimental device

Speaker
Ms Meenakshee Sharma

Simulations of the Sawtooth-Induced Redistribution of Fast Ions in JET and ITER

Speaker
Dr Yurii V. Yakovenko

Nonlinear decay and plasma heating by toroidal Alfvén eigenmodes

Speaker
Dr Zhiyong Qiu

Preliminary Results of Wall Conditioning Experiments using High Power ICRH System on SST-1 at Different Toroidal Magnetic Fields

Speaker
Mr DHARMENDRA RATHI

A Transmission Electron Microscopy Investigation of Defects Induced in Tungsten Foils by Gold (Au) and Boron (B) Ion Irradiation

Speaker
Dr Prashant Sharma

The combined effect of neoclassical tearing modes and ELM control coils on fast-ions: validation in AUG and extrapolation for ITER

Speaker
Mr Antti Snicker

Recent finding in fusion studies using table top and miniaturized dense plasma focus devices operating from hundred joules to less than one joule

Speaker
Prof. Leopoldo Soto

E_{rx}B shear effect on cross phase mitigates ELM at high collisionality

Speaker
Dr Defeng Kong

Imaging of SST-1 plasma with LHCD power

Speaker
Dr Manoj Kumar

Observations of Plasma Stimulated Electrostatic Sideband Emission and Harmonic Distortion: Evidences of Over-dense Plasma Generation inside a Microwave Discharge Ion Source

Speaker
Mr Chinmoy Mallick

Kink Mode Study in EAST High $\beta_{\{P\}}$ Plasma

Speaker
Dr Liqing Xu

18:45