

PLASMA-2024

Tuesday, 17 December 2024 - Friday, 20 December 2024

Pandit Deendayal Energy University (PDEU), Gandhinagar

Scientific Programme

Fundamental Plasma

Basic Plasma Physics, Experiments, Computation/Simulation of Basic Plasma, diagnostics of basic plasma etc

High Temperature Plasma

Fusion plasma experiments, Tokamak plasma, Fusion plasma Diagnostics, etc

Exotic and Pulsed Plasma

Dusty plasma, Positron plasma, quark - gluon plasma, quantum plasma, Pulsed plasma, laser produced plasma etc.

Fusion Science & Technology

Technology oriented, ITER related topics, Tokamak plasma heating, Tokamak plasma control, Tokamak Plasma first wall, divertor, cryostat, Superconducting magnets, heavy vacuum pumps, power supply for tokamak plasma production etc

Simulated Plasma

Plasma theory by simulations, PIC simulation, Huge computer codes for plasma studies etc

Astrophysical & Space Plasma

Astrophysical plasma, space plasma, solar plasma, Sunspot, Solar flares, Solar wind, ionospheric physics, geomagnetism, etc.

Plasma Applications

Industrial and Societal applications of plasma, low temperature industrial plasma, applied plasma experiments, plasma-material interaction, plasma devices and systems, simulation of plasma devices etc