Session Program

22-28 Jun 2019



PPPS 2019

4.6 Fast Z Pinches II

DoubleTree at the Entrance to Universal Orlando 5780 Major Blvd. Orlando, Florida, 32819, USA

Wednesday 26 June

15:30 4.6 Fast Z Pinches II Session | Location: Double Tree at the Entrance to Universal Orlando, Seminole D/E | Convener: Prof. Farhat Beg 15:30-16:00 Investigating Ion Energy Partitioning in Gas-puff Z-pinches with Thomson Scattering Speaker Sophia Rocco 16:00-16:15 Implosion dynamics and magneto-Rayleigh-Taylor instability in gas-puff z-pinch experiments at 1-MA Speaker Dr E. Sander Lavine 16:15-16:30 Time-Dependent Helical Magnetic Field Effects on Cylindrical Liner Implosions Speaker Paul Campbell 16:30-16:45 HIGH VOLTAGE COAXIAL VACUUM GAP BREAKDOWN FOR PULSED POWER LINERS Speaker Sam Cordaro 16:45-17:00 Investigation on the early stage plasma instabilities in magnetized cylindrical liners Speaker Dr Guanqiong Wang 17:00-17:15 Numerical study on magneto-Rayleigh-Taylor instabilities for thin liner implosions on the PTS facility Speaker Dr Xiao-guang Wang 17:15-17:30 Design and calibration of a solenoid used on magnetized plasma experiments and of B-dot probes for measuring the strong magnetic fields using commercial electronic components

Speaker

Raul Melean

17:30