

Session Program

22-28 Jun 2019



PPPS 2019

3.2 Intense Electron and Ion Beams

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

Thursday 27 June

10:00

3.2 Intense Electron and Ion Beams

Session | **Location:** Gold Coast I/II | **Convener:** John Harris

10:00–10:15

USE OF HERMES-III FOR PULSED NEUTRON PRODUCTION PRODUCED BY INTENSE ION BEAMS AT THE 14 MEV LEVEL AT SANDIA NATIONAL LABORATORIES*

Speaker

Dr Timothy Renk

10:15–10:30

Thermionic and Field emission model of 2D materials cathode

Speaker

Prof. Lay Kee ANG

10:30–10:45

INCORPORATING RESISTANCE INTO THE UNIFICATION OF FIELD EMISSION AND SPACE CHARGE-LIMITED EMISSION WITH COLLISIONS

Speaker

Adam Darr

10:45–11:00

Exact Solution for Two-Color Laser Induced Photoemission from a Biased Metal Surface

Speaker

Yi Luo

11:00–11:15

Shocks induced by fast high-fluence electron beam deposition on Aluminum targets: hydrodynamic simulations initialized by electron beam measurements.

Speaker

Mr Nicolas Szalek

11:15–11:30

Optical Imaging of the Self Magnetic Pinch Diode on the Merlin IVA

Speaker

Mark Sinclair

11:30–11:45

The effective way of improving the performance of a novel multipacting cathode with high current density

Speaker

Dr Ye Dong

11:45–12:00

Generation of Intense Pulsed X-ray and Repetitive Pulsed X-rays

Speaker

Dr Jianqiang Yuan

12:00