

Session Program

22-28 Jun 2019



PPPS 2019

2.1 Intense Beam Microwave Generation

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

Wednesday 26 June

10:00

2.1 Intense Beam Microwave Generation

Session | **Location:** Double Tree at the Entrance to Universal Orlando, Gold Coast I/II | **Convener:** Prof. Rebecca Seviour

10:00–10:30

Limits to High Power Amplification

Speaker

Dr John Luginsland

10:30–10:45

Rep-rated Testing of a Compact Magnetron with Diffraction Output (MDO) and Plans for Testing the Full MDO*

Speaker

Prof. Edl Schamiloglu

10:45–11:00

Experimental Results of a Metamaterial-Enhanced Resistive Wall Amplifier Prototype*

Speaker

Patrick Forbes

11:00–11:15

High Power Amplification Experiments on a Recirculating Planar Crossed-Field Amplifier

Speaker

Mr Steven Exelby

11:15–11:30

Inter-Digital Magnetron and Rippled-Field Magnetron: Two Remarkable Reincarnations of a Voltage-Tunable Magnetron*

Speaker

Dr Andrey Andreev

11:30–11:45

High-Power Microwave Generation by a Double-Anode Virtual Cathode Oscillator

Speaker

Mr Kazuki Nagao

11:45–12:00

Problems of development a cold-cathode magnetron in pulse mode for application in an accelerator

Speaker

Prof. Sergiy Cherenshchikov

12:00