

Session Program

6 December 2019

JAI Fest

***Session 2 (Denys Sciama): Chair Zulfikar
Najmudin***

Friday 6 December

15:30

Session 2 (Denys Sciama): Chair Zulfikar Najmudin: Novel acceleration and diagnostics

Session | **Location:** Denys Sciama Lecture Theatre (Oxford DWB) | **Convener:** Zulfikar Najmudin

15:30–15:50 **Beam Instabilities at ISIS**

Speaker

Robert Williamson

15:50–16:10 **Using the IBEX Paul trap to test nonlinear integrable optics**

Speakers

Lucy Kate Martin, Lucy Martin

16:10–16:30

Loss reduction techniques for synchrotron slow extraction and beam delivery: simulations and recent measurements at MedAustron

Speaker

Pablo Andreas Arrutia Sota

16:30–16:50 **Experimental Considerations for Staged Acceleration on Astra Gemini**

Speaker

Nic Gruse

16:50–17:10

Modelling the Signal to Noise Ratio of Breit-Wheeler Detection Experiments with Geant4

Speaker

Rob Watt

17:10–17:30 **Low-Density Waveguides for multi-GeV Laser-Plasma Accelerators**

Speaker

Alex Picksley

17:30–17:50

Narrow energy spread, GeV electron beams from shock injection in a laser wakefield accelerator

Speaker

Cary Colgan

17:50–18:10

Using X-rays from a laser wakefield accelerator to perform ultrashort multi-Kev absorption spectroscopy

Speaker

Brendan Kettle

18:10