

Session Program

22-24 Nov 2021

**UK HEP Forum 2021: From Laboratories to the
Universe and Back**

Students talks (5+2min each)

Tuesday 23 November

15:15

Students talks (5+2min each)

Session | Location:

15:15-15:22 **A search for lepton flavour violation at Mu2e**

Speaker

Claudia Alvarez Garcia

15:22-15:29

Detecting parity violation from axion inflation with third generation detectors

Speaker

Charles Badger

15:29-15:36

Fuelling the search for light dark matter-electron scattering

Speaker

Louis Hamaide

15:36-15:43

Update on the MAGIS and AION experiments

Speaker

Leonie Hawkins

15:43

16:10

Students talks (5+2min each)

Session | Location:

16:10-16:17

Ultra-light Scalar Dark Matter Searches with AION

Speaker

Leonardo Badurina

16:17-16:24

Charting the fifth force landscape

Speaker

Hannah Banks

16:24-16:31

Impact of improved detector calibration on high energy electron reconstruction and identification in CMS

Speaker

Charlotte Cooke

16:31-16:38

Primordial black hole formation with full numerical relativity

Speaker

Eloy de Jong

16:38-16:45

Catching a Criminal: Confirming the $U(1)_{L_{\mu}} - L_{\tau}}$ as the Solution to $(g-2)_{\mu}$ with Neutrinos

Speaker

Dorian Praia do Amaral

16:45