

Student talk schedules

June 28th (Wed) 14:30 - 15:30

RB, Sir Ambrose Fleming LT

Malet Place, Engineering 1.02

Malet Place, Engineering 1.03

14:30 - 14:50

Ben Hodkinson

Modelling the Dynamics of Bose-Einstein Condensates

Baptiste Ravina

Supersymmetric beasts and where to find them

Danny Bennett

Perturbations of Integrable Models in Quantum Field Theory

14:50 - 15:10

Pruthvi Mehta

Comparing Physics Lists in Geant4 and Investigating CP Violation by Measuring Neutrino Oscillation

Josh McMahon

Bringing a classical gun to a quantum gun-fight (or optimising AlGaIn alloys using a valence force field model).

Kwok Ho Wan, Robert Gardner

Quantum Generalisations of Feed-forward Neural Networks

15:10 - 15:30

Lauren Herdman

Turning the Stars to Beta Leporis

Riley Shurvinton

Research & Development on the CLARA Free-Electron Laser Afterburner

Jonathan Gosling

AC Halbach array for magnetic induction tomography with atomic magnetometers

June 28th (Wed) 16:00 - 17:00

RB, Sir Ambrose Fleming LT

Malet Place, Engineering 1.02

Malet Place, Engineering 1.03

16:00 - 16:20

Harry Birch

Reverberation Mapping Around Black Holes

Simon Ebo

The Discovery of EPIC 20158523: A Rare Triple Mode RR Lyrae Star, the First in K2

Samantha Paterson

The Story of an Undergraduate Physics Student Finding Themselves in a Neuroscience PhD!

16:20 - 16:40

Aleksandra Ziolkowska

Coexistence of Charge Density Wave and Superconductivity in U6Fe

Brandon Kelly

My Semester in the Arctic Circle

Jessica Weitbrecht

Quantum Gravity (and Explanation of Buzzwords)

16:40 - 17:00

Sebastian Jaskiewicz

Infrared Singularities in the Triple Collinear Limit

Ishan Khurana

(Go4Code) STEM Takeover: Leading the charge towards an innovative future

Paul Walker

Microkelvin Molecular Quantum Array

June 30th (Fri) 08:50-10:00

SoP 104, John Hanbury LT

School of Pharmacy 225

School of Pharmacy 228

09:00-09:20

Emily Aveyard

Ask a Scientist: Increasing engagement with science at school

Thomas Charman

Deep Learning Classification of Simulated di-Higgs Events with TensorFlow

Thomas Davison

Modelling the Effects of Stellar Feedback Within a Milky Way-Like Galaxy and the Implication on Star Formation

09:20-09:40

Fraser Baird

Project F.A.B: The Results

Srinath Kailasa

Adaptive Signal Processing For Nystagmus

Ben Brown

Geometry and Spin Transport in Skyrmion Magnets

09:40-10:00

Maeve Madigan

Scattering Amplitudes

Markos Karasamanis

Pseudo-Telepathy in Quantum Mechanics

William Franks

Searching for Twin Higgs Boson Events with Neural Networks