

Student	Title	Supervisor	2nd Marker	Chair		
DONEV DIMITAR	the Scattering of Relativistic Electrons off Electromagnetic Ion Cyclotron Waves	Bengt Eliasson	Gordon Robb	Nigel Badnell	Thursday 16th Jan	10:00 - 11:00
ELLIOT CAMERON	Stochastic Particle Heating of Charged Particles by Plasma Waves	Bengt Eliasson	Gordon Robb	Nigel Badnell	Thursday 16th Jan	11:00 - 12:00
AVIS WILLIAM	Nonlinear vacuum electrodynamics	Adam Noble	Daniel Oi	John Jeffers	Thursday 16th Jan	10:00 - 11:00
MACPHERSON CALLUM	Cool' simulations of atomic qubits	Jonathan Pritchard	Paul Griffin	John Jeffers	Thursday 16th Jan	11:00 - 12:00
STEPHEN SAM	Understanding how to exploit diamond in solid-state lasers	Alan Kemp	Jennifer Hastie	Erling Riis	Friday 17th Jan	10:00 - 11:00
GOVENLOCK GREIG	Helical waves in optical cavities for quantum communication	Alison Yao	Aidan Arnold	Erling Riis	Friday 17th Jan	11:00 - 12:00
HALL BRENDAN	Quantum applications of Semiconductor Disk Lasers	Jennifer Hastie	Thorsten Ackemann	Erling Riis	Friday 17th Jan	12:00 - 13:00
GENTILE ALESSIO	Nonlinear Propagation of Fully Structured Light	Alison Yao	Aidan Arnold	Erling Riis	Friday 17th Jan	14:00 - 15:00
WALLACE STEWART	Magnetic states with long-range interactions	Andrew Daley	Ben Hourahine	Gian Luca Oppo	Friday 17th Jan	10:00 - 11:00
WEBB JONATHAN	Quantum transport in superconducting wires and cold atoms	Andrew Daley	Ben Hourahine	Gian Luca Oppo	Friday 17th Jan	11:00 - 12:00
NIKOLATOS CHARALAMPOS	Creation and control of continuous-mode optical superposition qubits	John Jeffers	Andrew Daley	Gian Luca Oppo	Friday 17th Jan	12:00 - 13:00
DYER SEAN	Keeping time with a laser pointer	Jonathan Pritchard	Aidan Arnold	Gian Luca Oppo	Friday 17th Jan	14:00 - 15:00
CLAPPERTON MEGAN	Quantification of 3D Mesolens image datasets	Gail McConnell	Brian Patton	Olaf Rolinski	Friday 17th Jan	10:00 - 11:00
MCCAHOON STEVEN	A 6 degree-of-freedom platform for Micro-Transfer Printing on curved surfaces	Michael Strain	Brian Patton	Olaf Rolinski	Friday 17th Jan	11:00 - 12:00
CHRISTOPHER JAY	Can techniques from nanoscale imaging help millimetre scale mesoscopy?	Brian Patton	Gail McConnell	Olaf Rolinski	Friday 17th Jan	12:00 - 13:00
PHILLIPS ROSS	Three-Dimensional Single-Molecule Based Super-Resolution Imaging	Sebastian van de Linde	Gail McConnell	Olaf Rolinski	Friday 17th Jan	14:00 - 15:00
BALLANTYNE FRASER	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	Mark Wiggins	Bernhard Hidding	Adrian Cross	Friday 17th Jan	10:00 - 11:00
EASTON JACK	Design, simulation and experiments of a microwave undulator	Adrian Cross	Brian McNeil	Gordon Robb	Friday 17th Jan	11:00 - 12:00
ANDERSON JOHN	Computational Modelling of X-ray Free Electron Lasers	Brian McNeil	Kevin Ronald	Adrian Cross	Friday 17th Jan	12:00 - 13:00
LIDSTRÖM SEBASTIAN	The theory of X-ray Free electron Lasers	Brian McNeil	Kevin Ronald	Adrian Cross	Friday 17th Jan	14:00 - 15:00
HEWITT ADAM	Space Radiation Reproduction and Testing	Bernhard Hidding	Kevin Ronald	Daniel Oi	Friday 17th Jan	10:00 - 11:00
KEAY AIDAN	Characterising Digital Camera Sensors	Daniel Oi	Carol Trager-Cowan	Alison Yao	Friday 17th Jan	11:00 - 12:00
MILLAR CALUM	Generating Arbitrary Arrays for Quantum Information Processing	Jonathan Pritchard	Daniel Oi	Alison Yao	Friday 17th Jan	12:00 - 13:00
STOYANOV SVETOSLAV	Photon velocity control on a silicon photonic chip	Michael Strain	Jennifer Hastie	Thorsten Ackeman	Friday 17th Jan	14:00 - 15:00
BUCK ANGUS	Quantum-corrected radiation reaction in strong fields	Adam Noble	John Jeffers	Andrew Daley	Wednesday 22nd Jan	13:00 - 14:00
BENTLEY-ABBOT CALUM	Lattice Boltzmann Simulation of Flow Through Topological Defects	Oliver Henrich	Konstantinos Lagoudakis	Andrew Daley	Wednesday 22nd Jan	14:00 - 15:00
HUDEK MAGDELENA	Sequence-dependent supercooling in stretched torsionally constrained double-stranded DNA	Oliver Henrich	Yu Chen	Andrew Daley	Wednesday 22nd Jan	15:00 - 16:00
To be arranged at a later date						
DUBE THOMAS	Quantum applications of Semiconductor Disk Lasers	Jennifer Hastie	Thorsten Ackemann	Francesco Papoff		
ABBOUAB CLARA	Digital Feedback to control quantum optics experiments	Paul Griffin	Jonathan Pritchard	Francesco Papoff		
LEASK VAILA ANN	Atomic Physics Game Design for Outreach Activities					