

Room JA412		Talks 20th Nov		Chair
Student	Title		Time	
STEPHEN SAM	Understanding how to exploit diamond in solid-state lasers	IoP	14:00 - 14:15	M Strain
DUBE THOMAS	Quantum applications of Semiconductor Disk Lasers	IoP	14:15 - 14:30	M Strain
HALL BRENDAN	Quantum applications of Semiconductor Disk Lasers	IoP	14:30 - 14:45	M Strain
MCCAHOH STEVEN	A 6 degree-of-freedom platform for Micro-Transfer Printing on curved surfaces	IoP	14:45 - 15:00	M Strain
STOYANOV SVETOSLAV	Photon velocity control on a silicon photonic chip	IoP	15:00 - 15:15	M Strain
Room JA502				
Student	Title			
CHRISTOPHER JAY	Can techniques from nanoscale imaging help millimetre scale mesoscopy?	Nano	14:00 - 14:15	G McConnell
CLAPPERTON MEGAN	A MATLAB based click-ROI analysis tool for live cell calcium imaing using the mesolens	Nano	14:15 - 14:30	G McConnell
BENTLEY-ABBOT CALUM	Lattice Boltzmann Simulation of Flow Through Topological Defects	Nano	14:30 - 14:45	G McConnell
HUDEK MAGDELENA	Sequence-dependent supercooling in stretched torsionally constrained double-stranded DNA	Nano	14:45 - 15:00	G McConnell
PHILLIPS ROSS	Three-Dimensional Single-Molecule Based Super-Resolution Imaging	Nano	15:00 - 15:15	G McConnell
Room JA504				
Student	Title			
GENTILE ALESSIO	Nonlinear Propagation of Fully Structured Light	Optics	14:00 - 14:15	B McNeil
GOVENLOCK GREIG	Helical waves in optical cavities for quantum communication	Optics	14:15 - 14:30	B McNeil
WALLACE STEWART	Magnetic states with long-range interactions	Optics	14:30 - 14:45	B McNeil
WEBB JONATHAN	Quantum transport in superconducting wires and cold atoms	Optics	14:45 - 15:00	B McNeil
ANDERSON JOHN	Computational Modelling of X-ray Free Electron Lasers	Optics	15:00 - 15:15	B McNeil
LIDSTRÖM SEBASTIAN	The theory of X-ray Free electron Lasers	Optics	15:15 - 15:30	B McNeil
Room JA506				
Student	Title			
KEAY AIDAN	Characterising Digital Camera Sensors	Optics	14:00 - 14:15	J Pritchard
NIKOLATOS CHARALAMPOS	Creation and control of continuous-mode optical superposition qubits	Optics	14:15 - 14:30	J Pritchard
DYER SEAN	Keeping time with a laser pointer	Optics	14:30 - 14:45	J Pritchard
MACPHERSON CALLUM	Cool' simulations of atomic qubits	Optics	14:45 - 15:00	J Pritchard
MILLAR CALUM	Generating Arbitrary Arrays for Quantum Information Processing	Optics	15:00 - 15:15	J Pritchard
ABBOUAB CLARA	Digital Feedback to control quantum optics experiments	Optics	15:15 - 15:30	J Pritchard
Room JA824				
Student	Title			
AVIS WILLIAM	Nonlinear vacuum electrodynamics	Plasmas	14:00 - 14:15	A Cross
BUCK ANGUS	Quantum-corrected radiation reaction in strong fields	Plasmas	14:15 - 14:30	A Cross
EASTON JACK	Design, simulation and experiments of a microwave undulator	Plasmas	14:30 - 14:45	A Cross
ELLIOT CAMERON	Stochastic Particle Heating of Charged Particles by Plasma Waves	Plasmas	14:45 - 15:00	A Cross
HEWITT ADAM	Space Radiation Reproduction and Testing	Plasmas	15:00 - 15:15	A Cross
BALLANTYNE FRASER	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	Plasmas	15:15 - 15:30	A Cross
To be arranged at a later date				
DONEV DIMITAR	the Scattering of Relativistic Electrons off Electromagnetic Ion Cyclotron Waves	Plasmas		
LEASK VAILA ANN	Atomic Physics Game Design for Outreach Activities	Optics		