PH450 Viva Schedule Ver.3.1

Family Name	First Name	Project Title	Viva Date	Time	Supervisor	Indep Marker	Chair	Room
Cannon	Rachel	Computing the inverse square law	20/04/2018	10:00	Ben Hourahine	David McKee	Carol Trager-Cowan	JA2.08
Daffurn	Andrew	Twisted Nanostructures	20/04/2018	10:45	Ben Hourahine	Brian Patton	Carol Trager-Cowan	JA2.08
MacLean	Cameron	Plasma optical modulators for intense lasers	20/04/2018	10:00	Zhengming Sheng	Brian McNeil	Dino Jaroszynski	JA7.16
Carroll	Mark	Opto-mechanics of Bose-Einstein Condensates in Optical Cavities	23/04/2018	10:00	Gian-Luca Oppo	Marco Piani	Ben Hourahine	JA6.22
Ferguson	Alistair	Cold Atom-Light Interactions	23/04/2018	10:45	Gordon Robb	Antonio Hurtado	Ben Hourahine	JA6.22
Salmond	Ben	Colour stability of LEDs from the red to the UV	26/04/2018	10:00	Jochen Bruckbauer	Paul Edwards	Ben Hourahine	JA6.22
Scott	Philip	Neurophotonic Systems for Interfacing with the Retina	30/04/2018	10:00	Keith Mathieson	Jonathan Pritchard	Alan Kemp	TBA
Bintener	Tom	Quantifying the resources of global quantum evolutions and measurements	30/04/2018	10:00	Marco Piani	Luca Tagliacozzo	Andrew Daley	JA7.06
Lavan	Declan	Distinguishability of quantum states	30/04/2018	10:45	Marco Piani	Luca Tagliacozzo	Andrew Daley	JA7.06
Love	Callum	Nonlinear Propagation of Structured Light	30/04/2018	14:00	Alison Yao	Michael Strain	Gian-Luca Oppo	JA7.01
Kinanis	Alexandros	Quantum interference and boson sampler verification	30/04/2018	14:00	Andrew Daley	Jonathan Pritchard	John Jeffers	JA7.03
Thiagaraja	Anujan	Nonlinear Vacuum Electrodynamics	30/04/2018	14:00	Adam Noble	Bernhard Ersfeld	Nigel Badnell	JA8.24
McClue	Dylan	Nonlinear waves in plasmas	30/04/2018	10:00	Adam Noble	Mark Wiggins	Zhengming Sheng	JA7.16
Brodie	Seoras	Atomic Processes for Astrophysical Plasmas	30/04/2018	10:45	Nigel Badnell	Bernhard Ersfeld	Zhengming Sheng	JA7.16
McCourt	Declan	Computational Modelling of X-ray Free Electron Lasers	30/04/2018	11:30	Brian McNeil	Luca Tagliacozzo	Zhengming Sheng	JA7.16
Ballantyne	Calum	Implementation and characterization of optical lattice potentials for ultracold atoms	03/05/2018	14:00	Elmar Haller	Sebastian van de Linde	Alison Yao	JA7.08
Vandeville	Victor	Four-wave Mixing in Atomic Gases	03/05/2018	14:45	Gordon Robb	Antonio Hurtado	Alison Yao	JA7.08
Irwin	Edward	Making light-sheets for microscopy and mesoscopy	03/05/2018	10:00	Gail McConnell	Jennifer Hastie	Carol Trager-Cowan	JA2.08
Preston	Jack	Long range entanglement in a hybrid atom-superconductor quantum processor	03/05/2018	14:00	Jonathan Pritchard	Jennifer Hastie	Daniel Oi	JA7.12
Wilson	Kieran	Simulation of Langmuir probes and sheaths in plasma	03/05/2018	14:00	Kevin Ronald	Bernhard Ersfeld	Dino Jaroszynski	JA7.16
Hamilton	Julie	Pathological modifications in proteins detected by their intrinsic fluorescence	03/05/2018	14:00	Olaf Rolinski	Paul Edwards	Neil Hunt	JA8.24
Jackson	James	Quantum Dots TBC	03/05/2018	14:45	Olaf Rolinski	Paul Edwards	Neil Hunt	JA8.24
Maclure	Daniel	Pathological modifications in proteins detected by their intrinsic fluorescence	03/05/2018	15:30	Olaf Rolinski	Paul Edwards	Neil Hunt	JA8.24
McQueen	Christopher	Radiation Reaction	03/05/2018	10:00	Adam Noble	Bernhard Ersfeld	Nigel Badnell	JA8.24
McLafferty	Sam	Nonlinear Optical Loop Mirrors Based on 3 X 3 fibre optic couplers	03/05/2018	10:00	Nigel Langford	Sebastian van de Linde	Stefan Kuhr	JA8.19
McCallum	Jake	Signal processing for Atomic Magnetometry	03/05/2018	10:45	Paul Griffin	Elmar Haller	Stefan Kuhr	JA8.19
McLaughlin	Sean	Grating Magneto-Optical Trap experiments	03/05/2018	11:30	Paul Griffin	Elmar Haller	Stefan Kuhr	JA8.19
Steven	Rachael	A Polarisation Analyser for Quantum Optics Experiments	03/05/2018	12:15	Paul Griffin	Elmar Haller	Stefan Kuhr	JA8.19
Burns	Elise	Investigation of Polytypism in nitride semiconductors	04/05/2018	10:00	Carol Trager-Cowan	Yu Chen	Robert Martin	JA8.07
Waters	Dale	Investigation of Polytypism in nitride semiconductors	04/05/2018	10:45	Carol Trager-Cowan	Yu Chen	Robert Martin	JA8.07
Bruce	Emily	Medical Radioisotope Production using a Laser-Plasma Wakefield Accelerator	08/05/2018	10:45	Mark Wiggins	Wenlong He	Adrian Cross	JA6.19
Clarkson	Scott	Design and Measurement of a Mode Converter for a Microwave Amplifier	08/05/2018	11:30	Wenlong He	Alan Young	Adrian Cross	JA6.19
MacDonald	Louise	Design of a Brewster Window for a W-band Gyro-TWA	08/05/2018	12:15	Wenlong He	Alan Young	Adrian Cross	JA6.19
McCormack	Robbie	Using angular momentum of light to detect particles in fluids	08/05/2018	10:45	Francesco Papoff	Antonio Hurtado	Aidan Arnold	JA8.22
Earle	Alasdair	Investigating non-ideal behaviour in current-voltage curves from GaN-based LEDs	08/05/2018	12:15	Robert Martin	Antonio Hurtado	Aidan Arnold	JA8.22
Anderson	Steven	Quantum applications of Semiconductor Disk Lasers	08/05/2018	14:00	Jennifer Hastie	Jonathan Pritchard	Alan Kemp	TBA
Brown	Josh	Floquet theory for trapped atoms in optical lattices.	08/05/2018	14:45	Luca Tagliacozzo	Jonathan Pritchard	Alison Yao	JA7.08
Taylor	Ahna	Hysteretic Photochromic Switching (HPS) of europium-magnesium (Eu-Mg) defects in GaN	08/05/2018	14:00	Kevin O'Donnell	David McKee	Brian Patton	JA6.05
Percival	John	Quantification and measurement of marine microbial populations using the Mesolens	08/05/2018	14:45	Gail McConnell	Brian Patton	Francesco Papoff	JA7.10
Jordan	Brian	Three-Dimensional Single-Molecule Based Super-Resolution Imaging	08/05/2018	10:45	Sebastian van de Linde	Yu Chen	Gail McConnell	JA6.15
Stevenson	Jack	Investigation of multi-modal flex-tentional transducers	08/05/2018	11:30	Francesco Papoff	Alan Kemp	Gail McConnell	JA6.15
Brown	James	The scientific applications of X-ray Free Electron Lasers	08/05/2018	15:30	Brian McNeil	Luca Tagliacozzo	Gian-Luca Oppo	JA7.01
Quinn	Gary	Understanding how to exploit diamond in solid-state lasers	08/05/2018	14:45	Alan Kemp	Paul Griffin	Keith Mathieson	TBA
Wade	Ewan	Photonic Neurons: Spiking information processing with lasers	08/05/2018	15:30	Antonio Hurtado	Gordon Robb	Keith Mathieson	TBA
Doak	Elliot	A Physical Investigation of Protein-drug Binding	08/05/2018	10:45	Neil Hunt	Olaf Rolinski	Kevin O'Donnell	JA7.32
O'Hare	Dawn	Uncovering the Early Stages of Protein Folding	08/05/2018	11:30	Neil Hunt	Olaf Rolinski	Kevin O'Donnell	JA7.32
Cuthbertson	Stuart	Moving a standing wave with an electronically controlled piezo-mirror device	08/05/2018	10:00	Gail McConnell	Brian Patton	Robert Martin	JA8.07
Kelly	Ellis	Electron beam physics and transport modelling	09/05/2018	12:15	Bernhard Hidding	Martin King	Adrian Cross	JA6.19
Twaddle	William	Design and Construction of a Fabry-Perot Scanning Interferometer	09/05/2018	10:45	Elmar Haller	Sebastian van de Linde	Andrew Daley	JA7.06
Galbraith	Connor	Numerical simulation of cyclotron maser amplifiers	09/05/2018	14:00	Kevin Ronald	Martin King	Bernhard Hidding	JA7.21
Sloan	Sean	Design and simulation of a millimetre wave source based on a pseudospark produced electron beam	09/05/2018	10:00	Adrian Cross	Wenlong He	Kevin Ronald	JA7.32
Rutherford	Lorne	Space Radiation Reproduction and Testing	09/05/2018	10:45	Bernhard Hidding	Daniel Oi	Kevin Ronald	JA7.32
McCrory	Kieran	Ion Channel Laser with Large Oscillation Amplitude	09/05/2018	11:30	Bernhard Ersfeld	Brian McNeil	Kevin Ronald	JA7.32
Campbell	David	Monte Carlo Modelling of Particle Beam-Matter Interaction	09/05/2018	10:00	Bernhard Hidding	Brian McNeil	Nigel Badnell	JA7.32
Boyle	Michael	Simulations of the Demonstration of Ionisation Cooling Experiment	09/05/2018	10:45	Alan Young	Mark Wiggins	Nigel Badnell	JA7.32
Graham	Stuart	Phosphorescence of glowstones™	09/05/2018	10:45	Kevin O'Donnell	David McKee	Robert Martin	JA8.07
Webster	David	RE-doped III-nitrides for solid state lighting applications	09/05/2018	11:30	Kevin O'Donnell	David McKee	Yu Chen	JA6.07

Anderson	Stewart	Astigmatic mirror multipass absorption cells for long path length spectroscopy	10/05/2018	10:00	Nigel Langford	Sebastian van de Linde	Stefan Kuhr	JA8.19
Smith	Cameron	Interactive Physics Simulations	14/05/2018	10:00	Gordon Robb	Oliver Henrich	Aidan Arnold	JA8.22
Geddes	Daniel	Acquisition, Pointing, and Tracking for CubeSat QKD	14/05/2018	14:00	Daniel Oi	Oliver Henrich	Alison Yao	JA7.08
Valk	Jilles	Modelling relativistic electron motion in spatially varying intense laser fields	14/05/2018	09:30	Paul McKenna	Alan Young	Bengt Eliasson	JA6.16
Highton	Jennifer	An ultrafast, time-resolving ion spectrometer as a diagnostic of intense laser-plasma dynamics	14/05/2018	10:15	Paul McKenna	Mark Wiggins	Bengt Eliasson	JA6.16
Hunter	Daniel	Intense Laser Pulse Filamentation in Near Critical Density Plasmas	14/05/2018	11:00	Paul McKenna	Mark Wiggins	Bengt Eliasson	JA6.16
McFarlane	Mollie	mRNA nanoparticles for cancer detection	14/05/2018	12:15	Yu Chen	Oliver Henrich	David McKee	JA6.25
Reddie	Grant	Gravity Gradiometry with Satellite Constellations	14/05/2018	14:45	Daniel Oi	Oliver Henrich	John Jeffers	JA7.03
Lesniewska	Magdalena	Large scale lattice-Boltzmann simulation of colloid-liquid crystal composite materials	14/05/2018	15:30	Oliver Henrich	Brian Patton	John Jeffers	JA7.03
Moir	Connor	Stochastic Particle Heating of Charged Particles by Plasma Waves	14/05/2018	11:45	Bengt Eliasson		Paul McKenna	JA8.08
Glass	Helena	Grating magneto-optical trap modelling	15/05/2018	14:00	Aidan Arnold	Michael Strain	Daniel Oi	JA7.12
O'Brien	Ciaran	Magnetic states with long-range interactions	15/05/2018	14:45	Andrew Daley	Michael Strain	John Jeffers	JA7.03
Bommer	Sean	Development of a highly accurate alignment process for multi-stage laser lithography	15/05/2018	12:15	Michael Strain	Paul Griffin	Keith Mathieson	TBA
Benson	Philippa	Simulations of magnetic turbulence in plasma	18/05/2018	10:00	Bengt Eliasson		Dino Jaroszynski	JA7.16
Williamson	Murray	High power laser-driven X-ray sources in dense plasma	18/05/2018	10:45	Paul McKenna		Dino Jaroszynski	JA7.16
McWilliam	Allan	Space Radiation Reproduction and Testing	18/05/2018	11:30	Bernhard Hidding	Wenlong He	Dino Jaroszynski	JA7.16

TBA

Catto	Jamie	Bose Einstein Condensate (BEC) Simulations			Gordon Robb	Michael Strain	Gian-Luca Oppo	JA7.01