

Appendix 5  
School of Physics Colloquia

DATE	PRESENTER	HOME INSTITUTION	TITLE
23 February 2004	Dr. Donald MacLaren	Cavendish Laboratory, University of Cambridge	Surface Microscopy with Atomic Beams: Development of a Scanning Helium Microscope
19 April 2004	Prof. Richard Packard	Physics Department, University of California-Berkeley	Superfluid 3He Josephson Weak Links: A New Quantum Gyroscope
22 April 2004	Prof. Steve Rawlings	Department of Astrophysics, Oxford University	Why Radio Galaxies are Important
29 April 2004	Dr. Michael Kuchiev	School of Physics, UNSW	Reflection From the Event Horizon and Absorption of Long Wavelength Radiation By Black Holes
6 May 2004	Prof. Ned Ladd	ATNF, CSIRO/Bucknell University, USA	Core/Outflow Interaction in Star-Forming Cores
20 May 2004	Matt Chamberlain	Lunar and Planetary Laboratory, University of Arizona	The Mars 2001 Odyssey Spacecraft and the GRS Mission
15 June 2004	Prof. Rafi Kalish	Physics Department and Solid State Institute, Technion, Haifa, Israel	n-Type Diamond by Deuteration of B Doped (P-Type) Diamond: A New Kind of Co-Doping of Elemental Semiconductors
17 June 2004	Dr. Fred Green	School of Physics, UNSW	Mesoscopic Conduction Reconsidered: New Physics Emerges from an Old Paradigm
22 July 2004	Dr. Ben Powell	Physics Department, University of Queensland	Novel Quantum States of Matter in Unconventional Superconductors
29 July 2004	Prof. Rodolfo Jalabert	CNRS and University of Strasbourg	Environment-Independent Decoherence Rate in Classically Chaotic Systems
30 July 2004	Dr. Phil Moriarty	School of Physics, Nottingham University, UK	Nanoparticle Assemblies Formed Far From Equilibrium: Morphology and Electron Transport
3 August 2004	Dr. Ray Beausoleil	Principal Scientist, HP Laboratories	Nanophotonics and Quantum Information Technology at HP Labs
2 September 2004	Steven Schofield	Center for Quantum Computing, School of Physics, UNSW	Atomic Scale Placement of Individual Phosphorus Atoms in Collision
9 September 2004	Roif Brenner	Center for Quantum Computing, School of Physics, UNSW	Detecting Charge Motion With a Double-Island Single-Electron Transistor
23 September 2004	Matt Johns & Steve Schectman	The Observatories of the Carnegie Institute of Washington	GMT - The Giant Magellan Telescope
28 October 2004	Dr. Paul Nulsen	Harvard-Smithsonian Center for Astrophysics	Energetic Outbursts From Active Galactic Nuclei in Galaxy Clusters
4 November 2004	Dr. Klaus-Dieter Liss	Bragg Institute, Australian Nuclear Science & Technology Organisation	High Energy Synchrotron X-Rays: A Tool for Bulk Investigations in Physics and Materials Science
18 November 2004	Dr. David Malin	Anglo-Australian Observatory & RMIT	Faint Features of Bright Galaxies
22 November 2004	Prof. Philippe Durouchoux	CEA Saclay, France	Integral: Highlights
25 November 2004	Prof. Beate Liepert	Lamont Doherty Earth Observatory, Columbia University, USA	Can Aerosols Spin Down the Water Cycle in a Moister and Warmer World?
2 December 2004	Dr. Tilo Buehler	Center for Quantum Computing, School of Physics, UNSW	The Twin rf-SET: Correlated Single Charge Detection on Microsecond Time-Scales