

## Appendix 3

### Seminars, Colloquia and Other Presentations

<b>Date</b>	<b>Presenter</b>	<b>Title</b>	<b>Location</b>
5 January 2004	M. Burton	Signatures of the Route to Massive Star Formation	Dept of Physics & Astronomy, University of Leeds, UK
7 January 2004	V. Flambaum	Do the Fundamental Constants of Nature Vary with Time and Distance?	Institute for Advanced Study, Princeton, NJ, USA
19 January 2004	M. Burton	Astronomy in Antarctica: From South Pole to Dome C	Astrophysikalisches Institut Potsdam, Germany
21 January 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	University of Notre Dame, USA
22 January 2004	M. Whiting	What Made the Quasar Blush?	ATNF
22 January 2004	M. Burton	Astronomy in Antarctica: From South Pole to Dome C	Max-Planck-Institut für Astronomie, Bonn, Germany
23 January 2004	M. Burton	Astronomy in Antarctica: From South Pole to Dome C	Max-Planck-Institut für Radioastronomie, Heidelberg, Germany
26 January 2004	V. Flambaum	Parity and Time Reversal Violation in Atoms and Nuclei and Search for Physics Beyond the Standard Model	Argonne National Laboratory, USA
27 January 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Argonne National Laboratory, USA
28 January 2004	T. Hill	Millimetre Continuum Observations of Massive Star Formation	University of Kent, Canterbury, UK
30 January 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Michigan State University, USA
2 February 2004	V. Flambaum	Time Reversal Violation in Atoms and Nuclei and Search for Physics Beyond the Standard Model	Michigan State University, USA
4 February 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	New York University, USA
6 February 2004	C. Purcell	Southern Star-Forming Regions	Dublin Institute for Advanced Studies, Ireland
9 February 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	University of Maryland, USA
11 February 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	University of Delaware, USA
17 February 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Princeton University, USA
13 March 2004	J. Storey	Astronomy in Antarctica: the Quest to Build the Ultimate Earth-Based Telescope	National Youth Science Forum, UNSW
27 March 2004	W. Couch	Mapping the Cosmos	Guest Lecturer Macquarie University Astronomy Open Night
1 April 2004	M. Hunt-Cunningham	Small Group Learning	UNSW UNILT Workshop
1 April 2004	M. Hunt-Cunningham	Using WebCT for Course Delivery	Presentation to ITET Fellows UNSW
5 April 2004	P. Barnes	Demographics of Nearby, Medium-Mass Star-Forming Regions	AAO-ATNF Joint Symposium, ATNF-Marsfield NSW
7 April 2004	R. Stening	The Resurrection	New College, UNSW

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7 April 2004	G. Kaseko	Development of Anti-Melanoma Vaccine	ACPSEM Scientific Mtg, MacArthur Cancer Therapy Centre, Campbelltown Hospital, NSW
4 May 2004	M. Burton	The SEEDS Program (Search for Earth-Like Environmental Domains in Space)	Faculty of Science, UNSW
6 May 2004	V. Dzuba	Search for Violation of T-P Symmetries in Solid-State Experiments	Dept of Physics, University of Notre Dame, Indiana, USA
12 May 2004	S. Longmore	The Effect of the Molecular Core Environment on the Initial Mass Function	ATNF Student Symposium, ATNF - Marsfield, NSW
17 May 2004	C. Purcell	Position Switched Data Reduction For Mopra	Mopra Telescope Workshop
18 May 2004	S. Curran	Constraining Variations in the Fundamental Constants with the SKA	Exploring the Cosmic Frontier, Max-Planck Society's Harnack-Haus, Berlin
26 May 2004	M. Burton	Gemini and the MNRF Program	Astrolunch, UNSW
3 June 2004	M. Burton	Star Formation and Millimetre Telescopes	Sutherland Astronomical Society, CSIRO, Epping
3 June 2004	J. Oitmaa	Novel Quantum Antiferromagnets	Dept of Theoretical Physics, Research School of Physical Sciences, ANU
4 June 2004	M. Burton	Mars, Jupiter and Saturn	NSW Astronomical Society, CSIRO, Epping
8 June 2004	M. Burton	The Transit of Venus	The Scientia, UNSW
10 June 2004	M. Ashley	Super-Seeing from Dome C, Antarctica	Swinburne University, Melbourne
16 June 2004	C. Purcell	Characterising the Mopra mm-Wave Observatory	Astrolunch, UNSW
23 June 2004	M. Burton	A Brief History of Astronomy in Antarctica	Museo Historico Nacional, Santiago, Chile
23 June 2004	M. Burton	A Brief History of Astronomy in Antarctica	Instituto Nacional de Antartica, Santiago, Chile
1 July 2004	S. Curran	21-Cm Absorption in Damped Lyman-Alpha Systems	Astronomical Society of Australia AGM, University of Queensland
2 July 2004	S. Longmore	Searching for the Earliest Phases of Massive Star Formation	Universidad de Chile, Santiago, Chile
3 July 2004	W. Couch	Ultra Compact Dwarfs (Millions of Stars Masquerading as One)	Invited Lecture at Harley Wood Winter School, Coolangatta
5 July 2004	C. Purcell	The Mopra Hot Molecular Core Survey--First Results	ASA Meeting, Brisbane
6 July 2004	W. Couch	Gemini Overview	Invited Talk at Astronomical Society at Australia's Annual Scientific Mtg, University of Queensland
7 July 2004	M. Ashley	Super-Seeing from Dome C, Antarctica	British Antarctic Survey, Cambridge, UK
16 July 2004	M. Burton	Some Musings on Massive Star Formation	Schools of Physics and Chemistry, University of Nottingham, UK
23 July 2004	M. Burton	Astronomy in Antarctica -- an Update from the 2004 Winter	Max Planck Institut fur Astronomie, Heidelberg, Germany
30 July 2004	J. Storey	Dome C, Antarctica: the Best Astronomical Site in the World	University of Cologne, Cologne, Germany
1 August 2004	M. Hunt-Cunningham	Exploratorials Team Presentation	UNSW EDTEC Seminar Series, UNSW
4 August 2004	M. Burton	Astronomy from Antarctica	Science in the City, Sydney Grammar School

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4 August 2004	J. Storey	Dome C, Antarctica: the Best Astronomical Site in the World	Arctri Observatory, Florence, Italy
12 August 2004	J. Storey	Searching for New Planets From Antarctica	Science in the City, Sydney
13 August 2004	J. Wolfe	Musical Waveguides: Wind Instruments and the Vocal Tract	University of Queensland
16 August 2004	T. Hill	Millimetre Continuum Observations of MSF	Joint Astronomy Centre, Hilo, USA
31 August 2004	M. Burton	Astronomy from Antarctica	Sydney University
1 September 2004	M. Hunt-Cunningham	Tips for Engaging Students in the Learning Process	UNSW FULT Workshop
2 September-26 November 2004	V. Dzuba	Informal Lectures on Methods of Calculations for Many-Electron Atoms	Atomic Physics Group, University of Delaware, Newark, DE, USA
4 September 2004	M. Burton	Courses and Careers in Physics in Astronomy	UNSW Open Day
10 September 2004	J. Oitmaa	Novel Quantum Antiferromagnets	Dept of Physics, University of Alberta, Edmonton, Canada
13 September 2004	J. Storey	Dome C, Antarctica: the Best Astronomical Site in the World	Max Planck Institute for Astronomy, Heidelberg, Germany
14 September 2004	M. Ashley	Super-Seeing from Dome C, Antarctica	Media Briefing, UNSW
15 September 2004	J. Storey	The Potential for Optical and Infrared Astronomy from Dome C, Antarctica	Laboratoire d'Astrophysique de Grenoble, Grenoble, France
20 September 2004	V. Dzuba	Search for Violation of Fundamental Symmetries in Solid-State Experiments	Dept of Physics, Princeton University, NJ, USA
21 September 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	University of Insubria, Como, Italy
22 September 2004	M. Burton	Star Formation and Millimetre Astronomy	University of Sydney Continuing Education Program
23 September 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	ENS, Paris, France
24 September 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	University of Paris, France
24 September 2004	V. Flambaum	Nuclear Anapole Moment	University of Paris, France
27 September 2004	V. Dzuba	High Precision Calculation of Isotope Shift for Many-Electron Atoms	Dept of Physics, University of Delaware, Newark, DE, USA
27 September 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Paris Observatory, France
28 September 2004	V. Flambaum	Parity and Time Reversal Violation in Atoms and Test of the Standard Model	ENS, Paris, France
30 September 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Centre for Nuclear Physics, Juelich
4 October 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Centre for Nuclear Physics, Groningen
5 October 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Kapstein Astronomy Institute, Groningen

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6 October 2004	V. Flambaum	Effects of Variation of Fundamental Constants from Big Bang to Atomic Clocks	Vrije University, Amsterdam
8 October 2004	V. Flambaum	Parity and Time Reversal Violation in Atoms and Test of the Standard Model	Nihon University, Tokyo, Japan
10 October 2004	S. Longmore	Review of the Chini et al Nature Paper	Sydney Star Formers Meeting
15 October 2004	J. Storey	Antarctic Astronomy: the Opportunity for Australia	PMSEIC Working Group, Canberra
19 October 2004	R. Stening	Science & Christianity	ECOM Group
19 October 2004	M. Beilby, V. Shepherd	Charophytes, Ancestors of Modern Plants	Bragg Institute, ANSTO
21 October 2004	I. Bains	<sup>13</sup> CO Mopra Observations of the GMC Associated with RCW106 (aka "The Delta Quadrant Survey")	Star-Formation Workshop, ATNF, Epping
21 October 2004	C. Purcell	NGC3576, First Results from the Compact Array	
21 October 2004	S. Longmore	Uncovering the Top End of the Initial Mass Function with Gemini	Star-Formation Workshop, ATNF, Epping
21 October 2004	P. Barnes	Nearby, Medium-Mass Star-Forming Regions and the Population of SFRs in the Milky Way	Star Formation Mini-Workshop, ATNF-Marsfield, NSW
2,19,16 November 2004	M. Burton	Astronomy	Eastern Suburbs Community College, UNSW
3 November 2004	S. Curran	A Systematic Search for Highly Redshifted Radio Absorption Lines	ATNF, Marsfield, NSW
19 November 2004	V. Dzuba	High Precision Calculation of Isotope Shift for Many-Electron Atoms	Dept of Physics, University of Delaware, Newark, DE, USA
20 November 2004	M. Burton	Astronomy in Antarctica	Gastronomy night at Linden Observatory, Linden Observatory, Blue Mountains, NSW
6 December 2004	A. Walsh	Star Formation in NGC 1333 and the Prestellar IMF down to 0.05 Msun	Max-Planck-Institut für Radioastronomie, Bonn, Germany
6 December 2004	J. Wolfe	Effets Des Résonances Faibles Sur Des Systèmes Oscillatoires	Laboratoire d'Acoustique Musicale, Paris, France
8 December 2004	I. Bains	Mopra Survey of a Molecular Cloud Complex in <sup>13</sup> CO	Astrolunch, UNSW
10 December 2004	J. Wolfe	Guides d'ondes acoustiques	Université Paul Sabatier, Toulouse, France
10 December 2004	P. Barnes	Star-Forming CHaMIPS of the Milky Way	Institute of Astronomy Seminar, Sydney University, NSW
16 December 2004	J. Wolfe	Stratégies du Chant: Sopranos et Tenors	Institut de Recherche et Coordination Acoustique/Musique, Paris, France
17 December 2004	J. Wolfe	Pourqoi Il Est Difficile à Comprendre Des Sopranos a L'Opéra	Ecole Normale Supérieure, Paris, France