

Robert Cormack Bequest Meeting 2009 Programme

Monday 27th April 2009

Time	Event	Speaker
09:15	Registration, coffee and poster set-up	
10:00	Welcome (30)	Dr. Steve Parkes (University of Dundee)
10:30	Invited Talk: <i>Sizing-up extrasolar planets (35+5)</i>	Prof. Andrew Cameron (University of St Andrews)
11:10	<i>Silicate, ruby and opal in the atmospheres of Brown Dwarfs and planets</i>	Dr. Christiane Helling (University of St. Andrews)
11:25	<i>The temperature structure around Quasars during Reionisation</i>	Eric Tittley (Institute for Astronomy, Edinburgh)
11:40	<i>Testing the stability of dwarf ellipticals in MOND</i>	Xufen Wu (University of St. Andrews)
11:55	Coffee & Poster Viewing (30)	
12:25	Invited Talk: <i>Coronal Null points and Solar Flares: a study of the topology of Active Region AR0486 during the time of the X17.2 Flare (20)</i>	William Simpson (University of St Andrews) RSE Cormack Undergraduate Prize Winner
12:45	<i>The physical and chemical environment of a star-forming bright-rimmed cloud</i>	Alison Craigon (University of Strathclyde)
13:00	<i>Stellar Encounters: A Stimulus for Disc Fragmentation?</i>	Duncan Forgan (Institute for Astronomy, Edinburgh)
13:15	<i>NIR and optical luminosity distributions and functions in MGC/GAMA</i>	David Hill (University of St. Andrews)
13:30	Lunch Break & Poster judging (75)	
14:45	Welcome (15)	Dr. Gunnar Hornig (University of Dundee)
15:00	<i>Extrapolating Coronal Stellar Magnetic Fields</i>	Colin Johnstone (University of St. Andrews)
15:15	<i>The Nature and Clustering of Star-forming Galaxies at z=0.84</i>	David Sobral (Institute for Astronomy, Edinburgh)
15:30	<i>A new SMBH Mass Function for the Local Universe</i>	Marina Vika (University of St. Andrews)
15:45	<i>University of Dundee involvement with the ExoMars mission</i>	Mark McCrum (University of Dundee)
16:00	Coffee Break & Final poster viewing (20)	
16:20	Invited Talk: <i>An HST/ACS view of the inhomogeneous outer halo of M31 (20)</i>	Jenny Richardson (University of Edinburgh) RSE Cormack Postgraduate Prize Winner
16:40	<i>Cosmological Perturbations and Instabilities in Coupled Dark Energy and Dark Matter Models</i>	Brendan Jackson (Institute for Astronomy, Edinburgh)
16:55	<i>Fragmentation in Molecular Clouds and its Connection to the IMF</i>	Rowan J. Smith (University of St. Andrews)
17:10	Presentation of Cormack Prizes (including poster prize)	Prof. Andrew Cameron (University of St. Andrews)
17:30	Close	
18:00	Bus leaves for Mills Observatory (from outside Dalhousie Building)	

Please note that presentations will take place in Lecture Theatre 2. The registration desk, poster display, coffee and buffet lunch will all be located in the foyer. Both are on the ground floor of the Dalhousie Building, University of Dundee.

Posters

Shape from Shading on the Lunar South Pole

Gráinne Costigan (Space Technology Centre, University of Dundee)

Asymmetric gravitational lenses in TeVes

Martin Feix (School of Physics & Astronomy, University of St. Andrews)

Multi-wavelength observing of a forming solar-like star

Scott Gregory (School of Physics & Astronomy, University of St. Andrews)

Optimising Tomographic Weak Lensing Analysis for the CFHTLS and Pan-STARRS

Emma Grocutt (Institute for Astronomy, University of Edinburgh)

Materials for Cutting-edge Experiments in Astronomy and Particle Physics

Julia Kennedy (Institute for Astronomy, University of Edinburgh)

Flare Hard X-ray Sources Dominated by Nonthermal Recombination

Procheta C.V. Mallik (Department of Physics and Astronomy, University of Glasgow)

A One-dimensional Vlasov-Maxwell Equilibrium for the Force-Free Harris Sheet

Dr. Thomas Neukirch (School of Mathematics & Statistics, University of St. Andrews)

Probing the chemistry of molecular cores: 2.5 – 5 micron grism spectroscopy of B35A

Jennifer Noble (Department of Physics, University of Strathclyde)

Propagation of an impulsive electron beam in a fluctuating background density

Hamish Reid (Department of Physics and Astronomy, University of Glasgow)

The Nature of Star-forming Galaxies at $z=0.84$

David Sobral (School of Physics & Astronomy, University of St. Andrews)