

NAM2007 Programme (v03: 3/4/07) - UCLan, Preston, 16-20 April 2007 Science Chair: Brad Gibson

	09:00-09:40	09:40-10:20	10:20-11:00	11:00-12:30	12:30-14:00	14:00-15:00	15:00-15:30	15:30-16:00	16:00-17:30	17:30-18:30	Evening
Mon Apr 16					Lunch	<p>Welcome Address: Malcolm McVicar (HALT)</p> <p>Opening Plenary: Tim de Zeeuw (HALT) [Chair: Gordon Bromage]</p>	Tea	<p>Galactic Activity: The Micro- and Macro-Physics of AGN and Black Holes (HALT) [Convenor: Geraint Lewis]</p> <p>Characterising Exoplanets: Theory and Observation (AB-TVI) [Convenors: Suzanne Aigrain & Carole Haswell]</p> <p>Magnetic Reconnection throughout the Universe (GRLT) [Convenors: Clare Parnell & Moira Jardine]</p> <p>Extremely Large Telescopes (BB008) [Convenors: Isobel Hook & Chris Evans]</p> <p>Surveys: Wide, Deep, and Multi-wavelength (HA135) [Convenor: Kathy Romer]</p>	Poster Session & Reception	<p>Public Event: Astronomy Question Time with Chris Lintott, Jocelyn Bell Burnell, Lucie Green & Don Kurtz (DLT) - nb. 19:30 - Buses to Hotels Depart Conference Venue at 21:15</p>	

DLT=Darwin Building Lecture Theatre AB-TVI=Adelphi Building TVI Lecture Theatre
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Tue Apr 17	Plenary: Amanda Karakas (HALT) [Chair: Robert Walsh]	Plenary: James Klimchuk (HALT) [Chair: Robert Walsh]	Coffee	The Early Universe: From Big Bang to First Light (HALT) [Convenors: Anthony Challinor, Antony Lewis & Avery Meiksin]	Lunch	Panchromatic Galaxy Evolution (HALT) [Convenor: Chris Conselice]		Tea	Panchromatic Galaxy Evolution (HALT) [Convenor: Chris Conselice]		
				Spectroscopy of Solar and Stellar Plasmas (GRLT) [Convenors: Peter Young & Martin Barstow]		Solar and STP Missions Forum (GRLT) [Convenor: Richard Harrison]			Solar and STP Missions Forum (GRLT) [Convenor: Richard Harrison] - nb. 16:00-17:15 and International Heliophysical / Polar Year		
				Explosive and Quiescent Stellar Mass Loss (BB008) [Convenor: Jacco van Loon]		Origins of Dust in the Universe (BB008) [Convenor: Albert Zijlstra]			[Convenors: Lucie Green, Jim Wild & Mervyn Freeman] - nb. 17:15-17:35		
				Investigating the Mesosphere / Thermosphere (BB013) [Convenors: Mike Kusch, Alan Aylward & Nick Mitchell]		Education and Outreach (AB-TVI) [Convenors: Carolina Odman & Paul Roche]			Stellar Variability (AB-TVI) [Convenor: Maria-Rosa Cioni]		
				Education and Outreach (AB-TVI) [Convenors: Carolina Odman & Paul Roche]							

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Conference Dinner (National Football Museum - Buses Depart Conference Venue at 17:45 and 18:15; Return to Hotels at 23:30)

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Wed Apr 18	Plenary: Kathryn Johnston (HALT) [Chair: Cristina Popescu]	Plenary: Annette Ferguson (HALT) [Chair: Cristina Popescu]	Coffee	Star Clusters: Globular, Open, and Super Stellar (HA135) [Convenor: Richard de Grijs]	Lunch	The Intergalactic Medium (HA135) [Convenor: Emma Ryan-Weber]		Tea	Degenerate Astronomy: Pulsars, Neutron Stars and White Dwarfs (HA135) [Convenor: Matt Burleigh]	Poster Session & Reception	Public Lecture: Zoltan Kollath (DLT) - nb. 19:30; Buses to Hotels Depart at 21:15 Five-a-Side Football Tournament and MIST Cup (PSA) - nb. 18:00-21:00 (Buses Depart Conference Venue at 17:45; Return to Conference Venue at 21:00; Buses to Hotels Depart at 21:15)	
				Cosmological Probes (HALT) [Convenor: Chris Collins]		Current Facilities (HALT) [Convenor: Anne Sansom]			Current Facilities (HALT) [Convenor: Anne Sansom]			
				Astronomical Software and the Grid (BB008) [Convenor: Nic Walton]		Gravitational Waves and Astroparticles (BB008) [Convenor: Anne Green]			Starburst Galaxies (BB008) [Convenor: Elizabeth Stanway]			
				Young Astronomers Meeting (AB-TVI) [Convenors: Mark Westmoquette & Anais Rassat]		Young Astronomers Meeting (AB-TVI) [Convenors: Mark Westmoquette & Anais Rassat]			Dissecting the Milky Way and Local Group (AB-TVI) [Convenors: Andreea Font & George Seabroke]			
				Solar and Stellar Magnetic Fields (GRLT) [Convenor: Steve Tobias]		SCAP Meeting (12:15-14:30) (GR347)			From Sun to Earth and Beyond (GRLT) [Convenors: Lyndsay Fletcher, Mick Denton, Peter Cargill & Mike Hapgood]			From Sun to Earth and Beyond (GRLT) [Convenors: Lyndsay Fletcher, Mick Denton, Peter Cargill & Mike Hapgood]
				Solar System Planetary Science (BB013) [Convenors: Andrew Coates & Stan Cowley]								

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Thu Apr 19	Plenary: Mike Lockwood (HALT) [Chair: Barbara Bromage]	Plenary: Emma Bunce (HALT) [Chair: Barbara Bromage]	Coffee	Simulating Galaxies with Sub-Grid Physics (BB008) [Convenor: Carlton Baugh]	Lunch	Darwin Lecture: Reinhard Genzel (HALT)	RAS Awards (HALT)	Tea	STFC and Community Forum (HALT)		An Evening of Music with the Kasim Quartet (VE GBA) - nb. 19:30
				Space Plasmas: Waves and Instabilities (GRLT) [Convenors: Tony Arber & Robertus Von Fay Seibenburgen]							
				Future Facilities (HALT) [Convenor: Steve Rawlings]							
				Gamma Ray Bursts (HA135) [Convenor: Carole Mundell]							
				Clusters and Groups (AB-TVI) [Convenor: Dave Carter]							
											SCAP - RAS Dinner (Hoghton Tower) - nb. Buses Depart Conference Venue at 18:15

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Fri Apr 20	Plenary: Doug Johnstone (HALT) [Chair: Barbara Hassall]	Plenary: Patricia Sanchez-Blazquez (HALT) [Chair: Barbara Hassall]	Coffee	Clusters and Groups (AB-TVI) [Convenor: Dave Carter] Future Directions of Astero- and Helioseismology (GRLT) [Convenors: Don Kurtz & Michael Thompson] Star Formation (HALT) [Convenor: Jennifer Hatchell]	Lunch				Depart		
		Closing Statements: Gordon Bromage (HALT)		Statistics for Astronomy (BB008) [Convenor: Robert Walsh]							

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P01: The Early Universe: From Big Bang to First Light
Convenors: Anthony Challinor, Antony Lewis & Avery Meiksin
 Tuesday 17 April 2007 @ 11:00-12:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
11:00-11:20	David Lyth (Lancaster)	The Primordial Perturbation			
11:20-11:30	Ilia Musco (UCL)	Curvature Profiles as Initial Conditions for Primordial Black Hole Formation			
11:30-11:50	Richard Davis (Manchester)	Status and Prospects for the Planck Mission			
11:50-12:10	Michael Brown (Cambridge)	First-season Results from the QUaD CMB Polarization Experiment			
12:10-12:30	Tirthankar Roy Choudhury (Cambridge)	The Dark Ages and the Epoch of Reionization			

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P02: Clusters and Groups

Convenor: Dave Carter

Thursday 19 April 2007 @ 11:00-12:30 in Adelphi Building (TVI Lecture Theatre)

Oral Programme			Poster Programme		
11:00-11:25	Dave Carter (Liverpool JMU)	The HST/ACS Coma Cluster Treasury Survey	P2.7	Samantha Penny (Nottingham)	Keck Spectroscopy of Dwarf Galaxies in the Perseus Cluster
11:25-11:40	James Geach (Durham)	The Mid-IR Anatomy of CL0024+16	L2.2	Avon Huxor (Bristol)	Search for Ultra-Compact Dwarf Galaxies in the Coma ACS Survey
11:40-11:55	John Stott (Durham)	An Increase in the Faint Red Galaxy Population in Massive Clusters Since $z \sim 1.5$			
11:55-12:10	Ria Johnson (Birmingham)	Determining the Virialisation State of Galaxy Groups in the 2dFGRS			
12:10-12:25	Habib Khosroshahi (Birmingham)	Fossil Galaxy Group: Halo Properties and Evolution			
12:25-12:30	Poster Summaries				

P02: Clusters and Groups

Convenor: Dave Carter

Friday 20 April 2007 @ 11:00-12:30 in Adelphi Building (TVI Lecture Theatre)

Oral Programme			Poster Programme		
11:00-11:25	Meghan Gray (Nottingham)	STAGES: Galaxy Evolution Across a Supercluster	P2.4	Owain Snaith (Central Lancashire)	Origin and Evolution of Groups of Galaxies
11:25-11:40	Chris Moss (Liverpool JMU)	Unraveling Transformation Processes for Disc Galaxies in Clusters	L2.1	Roger Clowes (Central Lancashire)	New Results on Two Large Quasar Groups: Populations of Lyman-break Galaxies
11:40-11:55	Will Hartley (Nottingham)	The Spine of the Lx-Tx Relation	P2.13	Abdulaziz Alareedh (Bristol)	New Candidate for OCRA SZ-Effect Observation
11:55-12:10	Aaron Rowbotham (Bristol)	Group Shapes: Rugby or Frisbee?			
12:10-12:25	Chris Haines (Capodimonte)	The Different Environmental Dependencies and Evolutions of Giant and Dwarf Galaxies			
12:25-12:30	Poster Summaries				

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P03: Dissecting the Milky Way and Local Group

Convenors: Andreea Font & George Seabroke

Wednesday 18 April 2007 @ 16:00-17:30 in Adelphi Building Lecture Theatre (AB-TVI)

Oral Programme			Poster Programme		
16:00-16:19	Geraint Lewis (Sydney)	The Andromedan Graveyard			
16:19-16:38	Dan Zucker (Cambridge)	Galaxy Assembly on our Doorstep: Satellites and Stellar Streams from SDSS	P3.5	Angela MacDonald (Central Lancashire)	Isotopic Abundances in the Metal-rich Solar Neighbourhood
16:38-16:50	Robert Greimel (Graz)	The IPHAS View of the Northern Galactic Plane	P3.7	Stuart Sale (Imperial College)	3D Extinction Mapping in the Galactic Plane with IPHAS Photometry
16:50-17:02	Andrea Marcolini (Central Lancashire)	The Chemical Evolution of Omega Centauri	P3.8	Jonathan Duke (Liverpool JMU)	The ANGSTROM Project: A Progress Report
17:02-17:14	Lindsey Shaw Greening (Open University)	Spectral Survey of the X-ray Point Source Population of Andromeda	P3.3	Matt Darnley (Liverpool JMU)	The ANGSTROM Project Alert System: Real-time Detection of Extragalactic Microlensing
17:14-17:26	George Seabroke (Cambridge)	Dissecting the Milky Way Through Thick and Thin (Discs and Halo) with the CORAVEL and RAVE Surveys			
17:26-17:30	Poster Summaries				

P04: Simulating Galaxies with Sub-Grid Physics

Convenor: Carlton Baugh

Thursday 19 April 2007 @ 11:00-12:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
11:00-11:18	Dimitris Stamatellos (Cardiff)	Star Formation in Collapsing Molecular Clouds and Protostellar Discs	L4.1	Tomas Tecce (IAFE)	Modeling the Formation and Evolution of Dwarf Galaxies
11:18-11:36	Andreea Font (Durham)	Modeling the Stellar Population Composition of M31 and Milky Way-type Halos			
11:36-11:54	Scott Kay (Manchester)	Feedback and the Intracluster Medium			
11:54-12:12	Ian McCarthy (Durham)	Towards a Holistic View of the Heating and Cooling of the Intracluster Medium			
12:12-12:30	Cesario Almeida (Durham)	The Formation of Spheroids in a Hierarchical Universe			

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P05: Panchromatic Galaxy Evolution

Convenor: Chris Conselice

Tuesday 17 April 2007 @ 14:00-15:30 & 16:00-17:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
14:00-14:20	Ignacio Ferreras (King's College)	Mapping the Distribution of Luminous and Dark Matter in Strong Lensing Galaxies	P5.8	Ben Rogers (King's College)	PCA and the Star Formation History of SDSS Early-Type Galaxies
14:20-14:40	Anne Sansom (Central Lancashire)	Evolution of X-ray Emission in Early-type Galaxies	P5.7	Melanie Hawthorn (Cambridge)	Extremely Red Stellar Objects in the UKIDSS-LAS: What Are They?
14:40-15:00	Aprajita Verma (Oxford)	First Significant Stellar Mass Assemblies in the Progenitors of Present-day Spheroids	P5.3	Ilani Loubser (Central Lancashire)	Investigating Stellar Populations in cD Galaxies
15:00-15:20	Ria Johnson (Birmingham)	Dark Halos in Early-type Galaxies	P5.1	Timothy Garn (Cambridge)	Deep 610MHz Surveys Using the GMRT
15:20-15:30	Poster Summaries				
16:00-16:25	Sebastien Foucaud (Nottingham)	Results from the UKIDSS Ultra-Deep Survey			
16:25-16:45	Chris Conselice (Nottingham)	Massive Galaxies at High Redshift: Masses, Sizes and Mergers			
16:45-17:05	Sugata Kaviraj (Oxford)	On the Recent Star Formation History of Early-type Galaxies: Insights from Rest-frame UV-Optical Colours			
17:05-17:25	Cristina Popescu (Central Lancashire)	Modeling the Evolution of Spectral Energy Distributions of Galaxies			

P06: The Intergalactic Medium

Convenor: Emma Ryan-Weber

Wednesday 18 April 2007 @ 14:00-15:30 in Harrington Building Room HA135

Oral Programme			Poster Programme		
14:00-14:25	Serena Bertone (Sussex)	Feedback by Galactic Winds in the Intergalactic Medium			
14:25-14:50	Avery Meiksin (Edinburgh)	Precision Cosmology with the Lyman-alpha Forest			
14:50-15:15	Simon Morris (Durham)	A Review of Recent Observations of the Intergalactic Medium			
15:15-15:30	Alastair Sanderson (Birmingham)	Hot Gas in Galaxy Groups: Observations vs Simulations			

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P07: Galactic Activity: The Micro- and Macro-Physics of AGN and Black Holes

Convenor: Geraint Lewis

Monday 16 April 2007 @ 15:30-17:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
15:30-15:43	Carole Mundell (Liverpool JMU)	The Host Galaxy - AGN Connection: A Comparative Study of Active and Inactive Galaxy Kinematics	P7.12	Joanna Goodger (Hertfordshire)	Inverse Compton Emission from the Lobes of 3C353
15:43-15:56	Laura Mullin (Bremen)	Testing Unification and Relativistic Beaming Models for FRIs using a Bayesian Model Comparison Method	P7.3	Amelia Bliss (Bristol)	Unmasking the AGN in J2310-437
15:56-16:09	Andreas Papageorgiou (Cardiff)	Probing the Magnetic Field Geometry in Parsec-scale Radio Jets	P7.1	Philip Hughes (Michigan)	Modeling the Structure of Gamma-ray Blazar PKS 1510-089
16:09-16:22	Emily Down (Oxford)	Double-peaked Emission Lines from Quasar Accretion Disks	P7.4	Fred Dulwich (Bristol)	Multi-band Imaging and Polarimetry of Kiloparsec-scale Jet Emission in Nearby Active Galaxies
16:22-16:34	Poster Summaries				
16:34-16:47	Rebecca Smith (Leicester)	X-ray and optical variability of Seyfert 1 galaxies as observed with XMM-Newton			
16:47-17:00	Victor Debattista (Central Lancashire)	The Binary Nucleus in VCC128: A Candidate Supermassive Black Hole in a Dwarf Elliptical Galaxy			
17:00-17:13	Andrei Sokolov (Central Lancashire)	Phase-referencing on BL Lac			

P08: Starburst Galaxies

Convenor: Elizabeth Stanway

Wednesday 18 April 2007 @ 16:00-17:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
16:00-16:20	Mark Westmoquette (UCL)	Mapping the Roots of Starburst-driven Galactic Winds	P8.5	Mark Westmoquette (UCL)	The Environment in the Starburst Core of M82
16:20-16:40	Megan Argo (Manchester)	OH Masers in the M82 Starburst			
16:40-16:55	Danielle Fenech (Manchester)	Supernova Remnants in the Central Starburst of M82			
16:55-17:10	Dan Smith (Oxford)	Evidence for Cold Accretion onto a Massive Galaxy at High Redshift			
17:10-17:30	Elizabeth Stanway (Bristol)	Exploring Starbursts at $z > 6$			

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P10: Star Clusters: Globular, Open and Super Stellar

Convenor: Richard De Grijs

Wednesday 18 April 2007 @ 11:00-12:30 in Harrington Building Room HA135

Oral Programme			Poster Programme		
11:00-11:20	Simon Clark (Open University)	A Review of Recent Observational Results	P10.1	Edwin Budding (Carter Observatory)	Absolute Stellar Parameters and the Dependence on Galactic Environment
11:20-11:35	Iain MacDonald (Keele)	The Intracluster Medium of Globular Clusters	P10.5	Jaeil Cho (Durham)	Globular Cluster Systems of Early-type Galaxies in Low-density Environments
11:35-11:50	Mark Norris (Durham)	Globular Cluster Systems	P10.6	Ute Fritze (Hertfordshire)	Star Formation and Star Cluster Formation: Universally-interrelated or Environment-dependent?
11:50-12:10	Cathie Clark (Cambridge)	A Review of Recent Theoretical Progress	P10.8	Richard Parker (Sheffield)	Do O-type Stars Form in Isolation?
12:10-12:25	Dirk Froebrich (Kent)	The Search For and the Discovery of a New Globular Cluster in the Inner Milky Way			
12:25-12:30	Poster Summaries				

P11: Future Directions of Astero- and Helio-seismology

Convenors: Don Kurtz & Michael Thompson

Friday 20 April 2007 @ 11:00-12:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
11:00-11:45	William Chaplin (Birmingham)	Prospects for Helio- and Astero-seismology	P11.1	Vladimir Elkin (Central Lancashire)	High Spectral and Time Resolution Observations of eoAp Stars with the ESO VLT
11:45-12:00	Mykola Gordovskyy (Sheffield)	Interaction of p-modes with an Axisymmetric Magnetic Flextube			
12:00-12:15	Neil Tarrant (Birmingham)	Asteroseismic Oscillation in Arcturus			
12:15-12:30	Lars Freyhammer (Central Lancashire)	A New Spectroscopic Search for roAp Stars			

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P12: Explosive and Quiescent Stellar Mass Loss

Convenor: Jacco van Loon

Tuesday 17 April 2007 @ 11:00-12:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
11:00-11:10	Anita Richards (Manchester)	Turbulent and Steamy Supergiants	P12.4	Tom Lloyd-Evans (St. Andrews)	Spectroscopic Monitoring of Mass-losing Stars
11:10-11:20	Christopher Evans (UK-ATC)	VLT-FLAMES Survey of Massive Stars	P12.6	Stewart Eyres (Central Lancashire)	RS Oph: The Most Erupted Recurrent Nova
11:20-11:30	Lucy Hadfield (Sheffield)	Searching for Hidden Wolf-Rayet Stars in the Galaxy	P12.11	Matt Darnley (Liverpool JMU)	Extragalactic Classical Nova Monitoring & Surveys
11:30-11:40	Mark Crockett (QU-Belfast)	On the Progenitor of a Type Ic Supernova	P12.12	Laurence Sabin (Manchester)	The IPHAS Nbeluae Database
11:40-11:50	Jorick Vink (Armagh)	Constraining GRB Progenitor Models by Studying Geometries	P12.13	Albert Zijlstra (Manchester)	The Rise and Fall of CK Vul
11:50-12:00	Herbert Lau (Cambridge)	Explosive End of 7 Solar Mass Zero-Metallicity Stars	P12.15	Hannah Worters (Central Lancashire)	Sakurai's Object: An Indicator of the 13C Contribution from Intermediate Mass Stars
12:00-12:10	Iain McDonald (Keele)	Mass-losing Stars in Globular Clusters	P12.16	Hannah Worters (Central Lancashire)	What Makes RS Oph Go Off?
12:10-12:20	Chris Wareing (Manchester)	Planetary Nebulae Interactions with the Interstellar Medium	P12.17	Myfanwy Lloyd (Manchester)	Observing the Relationship Between Close Binary Central Stars and their Planetary Nebulae
12:20-12:30	Michael Bode (Liverpool JMU)	HST Observations of the 2006 Outburst of RS Oph	P12.18	Mark Rushton (Central Lancashire)	How Peculiar is DZ Crucis?

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P13: Characterising Exoplanets: Theory and Observation

Convenors: Suzanne Aigrain & Carole Haswell

Monday 16 April 2007 @ 15:30-17:30 in Adelphi Building TVI Lecture Theatre (AB-TV1)

Oral Programme			Poster Programme		
15:30-15:50	Hugh Jones (Hertfordshire)	Radial Velocity Searches for Exoplanets	P13.1	Samuel George (Birmingham)	Radio Observations of Extrasolar Planets
15:50-16:10	Gordon Ogilvie (Cambridge)	Tidally-driven Inspiral of Hot Jupiters	L13.1	Matt Burleigh (Leicester)	Observations of a Roasted Brown Dwarf Atmosphere
16:10-16:30	Becky Enoch (Open University)	Planet Hunting with SuperWASP	L13.2	Matt Burleigh (Leicester)	Limits on Planets around White Dwarf Stars
16:30-16:50	Peter Wheatley (Warwick)	Spitzer Measurements of the Thermal Emission of Transiting Extra-solar Planets	P13.6	Yiannis Tsapras (Liverpool JMU)	The RoboNet Project
16:50-17:00	Poster Summaries		P13.8	James Jenkins (Hertfordshire)	Metallicities and Activities of Southern Stars
17:00-17:15	Suzanne Aigrain (Exeter)	CoRoT: Exploring the Giant-Terrestrial Planet Transition	P13.10	Martin Dominik (St. Andrews)	AN Anomaly Detector with Immediate Feedback to Hunt for Planets of Earth Mass and Below by Microlensing
17:15-17:30	Andy Longmore (ROE)	High Angular Resolution Direct Imaging and Spectroscopy of Exoplanets: What(ever) Next?			

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P15: Degenerate Astronomy: Pulsars, Neutron Stars and White Dwarfs

Convenor: Matt Burleigh

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Oral Programme			Poster Programme		
16:00-16:13	Ben Burningham (Hertfordshire)	Brown Dwarfs in UKIDSS Large Area Survey	P15.1	Philip Davis (Open University)	Present-day Populations of Post-Common Envelope Binaries and Gap Crossing Cataclysmic Variables
16:13-16:26	Gregg Hallinan (Galway)	Radio Active Brown Dwarfs	P15.2	Natasha Jackson (Birmingham)	Jet Formation by High Radiation Pressure
16:26-16:39	Avril Day-Jones (Hertfordshire)	Discovery of the Widest White Dwarfs / Ultra Cool Dwarf Binary	P15.4	Francesca Faedi (Leicester)	A Variability Study of White Dwarfs in WASP Data
16:39-16:52	John Southworth (Warwick)	Small is Beautiful: Cataclysmic Variables from the SDSS	P15.6	Falk Herwig (Keele)	Multi-dimensional Simulations of Helium Shell Flash Convection
16:52-17:05	Falk Herwig (Keele)	He-shell Flashes and the Single-degenerate Path Towards Type Ia Supernovae	P15.5	Nigel Hambly (Cambridge)	The Brown Dwarf Mass Function from UKIDSS Galactic Clusters Survey Observations
17:05-17:18	Mike Keith (Manchester)	Searching for New Pulsars in the Parkes Multibeam Pulsar Survey	P15.12	Ralph Eatough (Manchester)	Searching for Relativistic Binary Pulsars in the Galactic Plane
17:18-17:31	Roy Smits (Manchester)	Pulsar Science with the SKA	P15.14	Jeanette Gladstone (Durham)	Neutron Star and Black Hole Transitions: The Origin of Hysteresis
			L15.1	James Clarke (Hertfordshire)	Searching for Cool Dwarfs and Wide Binary Systems in Moving Groups
			L15.2	Paul Steele (Leicester)	A Near-IR Spectroscopic Search for Low Mass Companions to Peculiar White Dwarfs

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P16: Stellar Variability

Convenor: Maria-Rosa Cioni

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Oral Programme			Poster Programme		
16:00-16:23	David Bersier (Liverpool JMU)	First Results from the CFHT Survey of M33	P16.1	Lars Freyhammer (Central Lancashire)	Fast Spectroscopy of the Pulsating Double Star Delta Delphini
16:23-16:46	Gavin Ramsey (Armagh)	RATS: Detecting Pulsating Stars			
16:46-16:59	John Southworth (Warwick)	Space-based Light Curves of Eclipsing Binary Stars			
16:59-17:12	Nicolas Leprovost (Sheffield)	Effect of Rotation on Tachoclinic Transport			
17:12-17:25	Scott Gregory (St. Andrews)	Why are Accreting T-Tauri Stars Less Luminous in X-rays than Non-accretors?			
17:25-17:27	Poster Summaries				

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P17: Star Formation

Convenor: Jennifer Hatchell

Friday 20 April 2007 @ 11:00-12:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
11:00-11:14	Derek Ward-Thompson (Cardiff)	Spitzer and SCUBA Observations of Star Formation	P17.5	Danae Polychroni (Liverpool JMU)	Mapping W3 Giant Molecular Cloud with HARP-B
11:14-11:28	Emily Curtis (Cambridge)	CO Imaging of Perseus: A First Look at HARP Guaranteed Time Observations	P17.3	Dave Nutter (Cardiff)	The Taurus Molecular Ring: A Bulls Tale
11:28-11:42	Nick Tohill (Exeter)	Degree-scale CO Maps of Lupus	P17.11	Dimitris Stamatellos (Cardiff)	A Revised Core Mass Function for the rho Oph Main Cloud
11:42-11:56	Dirk Froebrich (Kent)	Protostellar Evolution	P17.8	Bill Dent (UK-ATC)	Dynamics of Molecular Gas in the Rosette Nebula
11:56-12:10	Gary Fuller (Manchester)	The Methanol Multibeam Survey	P17.4	Elizabeth Stanway (Bristol)	Characterising a Halo Population of M-dwarf Stars
12:10-12:24	Joao Neves (Hertfordshire)	Simulations of High-mass Star Forming Regions in the Milky Way	P17.6	Peter Sarre (Nottingham)	UIR Bands in the Red Rectangle and Other Objects
12:24-12:30	Poster Summaries		P17.12	Suzanne Prescott (Exeter)	Molecular Clouds in the Galaxy
			L17.1	Peter Sarre (Nottingham)	High-resolution Spectroscopy of Emission Bands of PAHs and Nanodiamonds In Extended Objects

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P18: Solar and Stellar Magnetic Fields

Convenor: Steve Tobias

Wednesday 18 April 2007 @ 11:00-12:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
11:00-11:30	Nigel Weiss (Cambridge)	Solar Magnetic Variability and its Effect on Climate	P18.1	Vasilis Archontis (St. Andrews)	Emergence and Interaction of Magnetic Fields in the Sun
11:30-11:45	Leon Mestel (Sussex)	Magnetic Fields in Early-type Stars	P18.2	Anthony Yeates (St. Andrews)	Modeling the Global Solar Corona: Application to Filament Chirality
11:45-12:00	Michael Proctor (Cambridge)	Dynamos Driven by Fluctuating Alpha-Effects	P18.3	Kurom Kiyani (Warwick)	Self-similar Signature of the Active Solar Corona within the Inertial Range of Solar Wind Turbulence
12:00-12:15	Davis Hughes (Leeds)	Convective Dynamos and the Alpha-Effect	P18.4	Nicolas Bian (Manchester)	Magnetoconvection in a Sheared Horizontal Magnetic Field
12:15-12:30	Poster Summaries		P18.5	Gert Botha (Leeds)	Formation of Azimuthal Structure Around Pores and Sunspots
			P18.7	Eun-jin Kim (Sheffield)	Long-term Dynamics of the Magnetised Solar Tachocline
			P18.8	Richard Henwood (RAL)	Extremal Statistics of Maximum Sunspot Group Size from Greenwich Group Reports 1874-1976
			P18.9	David Perez-Suarez (Armagh)	Delving in Bright Spots
			P18.10	Hugh Potts (Glasgow)	Small-scale Magnetic Energy Release Driven by Photospheric Flows
			L18.1	Mitchell Berger (UCL)	Twist & Writhe of Kink-unstable Magnetic Flux Ropes

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P19: Space Plasmas: Waves and Instabilities

Convenors: Tony Arber & Robertus Von Fay Seibenburgen

Thursday 19 April 2007 @ 11:00-12:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
11:00-11:20	Youra Taroyan (Sheffield)	MHD Waves in the Solar-Terrestrial Environment	P19.1	Mai Mai Lam (BAS)	A New Model of Earth's Outer Radiation Belt Electrons
11:20-11:30	Carlos Gane (Leicester)	High Latitude Observation of Small Scale ULF Waves	P19.2	Robert McKay (Glasgow)	Fast Alfvén Wave Heating and Acceleration of Ions in a Non-Uniform Magnetoplasma
11:30-11:40	Claire Foullon (UCL)	Evolution of Kelvin-Helmholtz Activity along the Dusk Flank Magnetopause from 2-point Distant Observations	P19.9	Patrick Daum (Lancaster)	Global MHD Simulations and their Utilisation to Enlarge Multi-point in-situ Observations
11:40-11:50	Nigel Merideth (BAS)	Slot Region Electron Loss Timescales Due to Plasmapheric Hiss and Lightning Generated Whistlers	P19.5	David Tsiklauri (Salford)	A Minimal Model of Parallel Electric Field Generation in a Transversely Inhomogeneous Space and Solar Plasma
11:50-12:00	Philip Smith (Salford)	Enhanced Phase Mixing of Alfvén Waves in Stratified and Divergent Coronal Structures	P19.14	Pete Tullet (Lancaster)	ULF Wave Direction Finding on the 0.5mHz to 5mHz Band using SAMNET
12:00-12:10	Nicolas Bian (Manchester)	Resistive Tearing Instability in a Two-fluid Plasma	P19.8	James McLaughlin (St. Andrews)	3D MHD Wave Behaviour in Active Regions: Individual Loop Density Structure
12:10-12:20	Martin Haynes (Warwick)	Post-kink Instability Loop Oscillations	P19.10	Gary Verth (Sheffield)	Magneto-seismology of the Solar Corona
12:20-12:30	Balazs Pinter (Wales)	Helioseismology and Magnetic Diagnostics of the Lower Solar Atmosphere?	P19.3	Nicholas Owen (St. Andrews)	Forward Modeling of Slow Wave Propagation in the Solar Atmosphere
Additional posters			P19.21	Mark Douglas (Sheffield)	MHD Waves at a Spherical Interface: Modeling EIT Waves
P19.15	Valentina Zharkova (Bradford)	Role of Plasma Instabilities in Particle Acceleration in a 3D Reconnecting Current Sheet	P19.6	Bo Li (Wales)	Propagation of non-WKB Alfvén Waves in a Multicomponent Solar Wind with Differential Ion Flow
P19.23	Fedun Viktor (Sheffield)	MHD Sausage Waves in Compressible Magnetically Twisted Flux Tubes	P19.16	Abhishek Kumar Srivastava (Armagh)	On the Signature of MHD Waves in Coronal Holes
P19.24	Andrew Newton (Sheffield)	Regulation of Turbulent Transport using Oscillating Shear Flows	P19.18	Tom Van Doorselaere (Warwick)	Detection of a Double Periodicity in an Oscillating Coronal Loop
L19.1	Fiona Kirton (Glasgow)	Langmuir Wave Turbulence in an Inhomogeneous Plasma	P19.19	Christopher Clack (Sheffield)	Alfvén Resonance in the Solar Corona

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P20: Spectroscopy of Solar and Stellar Plasmas

Convenors: Peter Young & Martin Barstow

Tuesday 17 April 2007 @ 11:00-12:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
11:00-11:05	Introduction		P20.4	Stephen Bradshaw (Imperial College)	A Hybrid Fluid-Kinetic Approach to Modeling the Solar Corona
11:05-11:25	Len Culhane (UCL)	Prospects for Solar Coronal Plasma Spectroscopy using the EUV Imaging Spectrometer Aboard Hinode	P20.5	Jane Noglik (Central Lancashire)	The Temperature Structure of Solar Atmospheric Plasma Loops: Pros and Cons of CDS and TRACE
11:25-11:35	Gaitee Hussain (St. Andrews)	The X-ray Corona of AB Dor: Determining Coronal Structure Using Multi-wavelength Observations	P20.8	Nicolas Labrosse (Wales)	Solar Prominence Diagnostics: Observations and NLTE Modeling
11:35-11:45	Claire Raftery (Trinity College)	EUV Spectroscopy of a C3.0 Solar Flare	P20.9	Nicolas Labrosse (Wales)	OVI and H2 Lines in Sunspots
11:45-11:55	David Boyce (Leicester)	Line Identification Techniques in the FUV - Heavy Element Absorption Patterns in 100 White Dwarfs	P20.7	Huw Morgan (Hawaii)	Twisted Sheet Structures and the Appearance of Coronal Streamers at Solar Maximum
11:55-12:05	Juliet Pickering (Imperial College)	New Laboratory Atomic Data for Stellar Astrophysics Applications	P20.10	Nicolas Labrosse (Wales)	The Hell 304A Line in Eruptive Prominences
12:05-12:15	Procheta Mallik (Glasgow)	Fast Electron Recombination	P20.11	Huw Morgan (Hawaii)	Observations of the FeXI 789.2nm Coronal Line During the Total Solar Eclipse of 29 March 2006
12:15-12:25	Giulio Del Zanna (UCL)	Atomic Data and Spectral Techniques in the XUV for Stellar Atmospheres	P20.12	Martin Barstow (Leicester)	Probing White Dwarf Environments with High-resolution UV Spectroscopy
12:25-12:30	Poster Summaries		P20.13	Danielle Bewsher (RAL)	A Benchmark Event Sequence for Mass Ejection Onset Studies
P20.21	Jaz Pearson (Central Lancashire)	Phase Plane Analysis for the Thermal Structure along Solar Coronal Loops	P20.17	John Brown (Glasgow)	The Standard Thick Target of Solar Flares - Alive and Well or Terminally Ill?
P20.22	Ross Galloway (Glasgow)	Spectral Evolution of Solar Flare Hard X-ray Emission Due to Self-interacting, Thermalising, Fast Electrons	P20.14	Cristina Chifor (Cambridge)	Thermal and Non-thermal Diagnostics of a M4.9 Flare on 2003 January 7/8 Observed by RESIK
P20.23	Miruna Popescu (Armagh)	Can Transition Region Explosive Events be Observed at Coronal Temperatures?	P20.18	Larisa Kashapova (Bradford)	The Multi-wavelength Study of Flare 25 July 2004
L20.1	Steven Chapman (Central Lancashire)	On the Variation of Coronal Holes with Solar Cycle	P20.20	Srividya Subramanian (Armagh)	Further Insight into Blinkers

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P22: International Heliophysical / Polar Year
Convenors: Lucie Green, Jim Wild & Mervyn Freeman
 Tuesday 17 April 2007 @ 17:15-17:35 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
17:15-17:25	Richard Harrison (RAL)	IHY and the UK	P22.1	Jim Wild (Lancaster)	Taking UK Solar System Science to the Public
17:25-17:35	Nick Tothill (Exeter)	Ground-based Astronomy in the IPY	P22.4	Tony van Eyken (Eiscat Scientific Association)	EISCAT 3D - Instrumentation for the Post-IHY Period

P23: Magnetic Reconnection throughout the Universe
Convenors: Clare Parnell & Moira Jardine
 Monday 16 April 2007 @ 15:30-17:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
15:30-15:45	Gunnar Hornig (Dundee)	Three-dimensional Reconnection: A Short Overview	P23.3	Antonia Wilmot-Smith (St. Andrews)	Magnetic Reconnection in Flex-tubes Undergoing Spinning Footpoint Motions
15:45-16:00	Andrew Haynes (St. Andrews)	On the Nature of Separator Reconnection	P23.6	Grigory Vekstein (Manchester)	Occurrence and Signatures of the Hall-mediated Magnetic Reconnection
16:00-16:15	David Pontin (Dundee)	Current Sheet Formation and Magnetic Reconnection at 3D Null Points	P23.11	Aveek Sarkar (Central Lancashire)	Multistrand Coronal Loop Model
16:15-16:30	Silvia Dalla (Manchester)	Particle Acceleration at a 3D Reconnection Site: Comparing Fan and Spine Reconnection	P23.12	Lynsey Thornton (St. Andrews)	Magnetic Fragment Tracking
16:30-16:45	Ilya Alexeev (UCL)	Reconnection Accelerated Electrons in the Magnetotail	L23.1	Mike Hapgood (RAL)	The Magnetopause Transition Parameter as an Indicator of Dayside Reconnection
16:45-17:00	Andrew Walsh (UCL)	Near-simultaneous Flux Rope Observations with Cluster and Double Star			
17:00-17:15	Deb Baker (UCL)	Evidence for Interchange Reconnection between Coronal Hole and Emerging Flux Region			
17:15-17:30	Rhona Maclean (Armagh)	Evolution of Magnetic Structure in Coronal Bright Points			

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P24: Solar and STP Missions Forum

Convenor: Richard Harrison

Tuesday 17 April 2007 @ 14:00-15:25 & 16:00-17:15 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
14:00-14:10	Mike Hapgood (RAL)	Cluster - Understanding Earth's Plasma Environment	P24.16	Andy Breen (Wales)	Solar-Terrestrial Physics with LOFAR
14:10-14:20	Edourd Kontar (Glasgow)	RHESSI - Status Update	P24.1	Danielle Bewsher (RAL)	COMPASS - A Cosmic Vision Proposal
14:20-14:30	Mark Lester (Leicester)	SuperDARN - Current Status and Future Plans	P24.13	Richard Harrison (RAL)	Solar Orbiter Status
14:30-14:40	Ian McCrea (RAL)	EISCAT - Latest Status and Future Plans	P24.21	Andzrej Fludra (RAL)	SOHO - Status and Future Plans
14:40-14:55	Richard Harrison (RAL)	STEREO	P24.15	Farideh Honary (Lancaster)	GLORIA
14:55-15:10	Len Culhane (UCL)	The Hinode Mission - Performance, Early Observations, and Mechanisms for UK Community Involvement	P24.6	Elizabeth Auden (UCL)	SDO and the UK Virtual Observatory
15:10-15:25	Jim Wild (Lancaster)	The THEMIS Mission			

16:00-16:10	Mark Lester (Leicester)	The KuaFu Mission - Mission Overview and Proposed UK Involvement			
16:10-16:20	Andrew Fazakerley (UCL)	The Cross-Scale Mission			
16:20-16:35	Thomas Rimmele (NSO)	The Advanced Technology Solar Telescope - Overview of Science Drivers and Project Status			
16:35-16:45	Joe Khan (Glasgow)	LOFAR - An Opportunity for the UK Solar Physics Community			
16:45-16:55	Sarah Matthews (UCL)	The UK's Role in EAST/EST			
16:55-17:05	Sarah Matthews (UCL)	Solar Orbiter - EU			
17:05-17:15	Jenny Carter (Leicester)	Prospects for X-ray Astronomy from the Lunar Surface			

P25: Solar System Planetary Science

Convenors: Andrew Coates & Stan Cowley

Wednesday 18 April 2007 @ 11:00-12:30 in Brook Building Room BB013

Oral Programme			Poster Programme		
11:00-11:15	Christopher Arridge (UCL)	Magnetodisks at Jupiter and Saturn	P25.14	John Barker (Glasgow)	Autonomous Smart Dust Clusters for Remote Planetary Exploration
11:15-11:25	Richard Horne (BAS)	Electron Acceleration at Jupiter by Very Low Frequency Waves	P25.8	John Bridges (Leicester)	Comet Wild 2 Composition: Crater Residue Analysis
11:25-11:35	Kay Elizabeth Clarke (Leicester)	Cassini Observations of Planetary-Period Oscillations of Saturn's Magnetopause and Bow Shock	P25.4	A. Dominic Fortes (UCL)	Clathrate-powered Plumes on Enceladus and Triton
11:35-11:45	Geraint Jones (UCL)	Saturn's Rings' Spokes: The Mark of Thor's Hammer?	P25.12	Daniel Jones (QMUL)	Orbital Instability and Collisions Among Trans-Neptunian Objects
11:45-12:00	Carl Murray (QMUL)	Cassini ISS Observations of Embedded Satellites in Saturn's F Ring	P25.3	Helen Walker (RAL)	Detecting Dust in Mars' Atmosphere with PFS on the Mars Express Satellite
12:00-12:10	Alan Fitzsimmons (QU-Belfast)	Spins of NEOs: The YORP Effect on (54509) 2000 PH5	P25.9	Ian Whittaker (Wales)	Analysis of the Venus Express Terminator Orbits with ASPERA-4
12:10-12:20	John Barker (Glasgow)	Pattern Recognition Techniques for Remote Detection of Impact Crater Morphology on Planetary Surfaces			
12:20-12:30	John Bridges (Leicester)	Insight into Mars' Climate Evolution from Martian Meteorites			

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P26: From Sun to Earth and Beyond

Convenors: Lyndsay Fletcher, Mick Denton, Peter Cargill & Mike Hapgood

Wednesday 18 April 2007 @ 14:00-15:30 & 16:00-17:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
14:00-14:25	Edourd Kontar (Glasgow)	Five Years of RHESSI	P26.2	Durgesh Tripathi (Cambridge)	Multi-wavelength Observation of a Bright Coronal Downflow
14:25-14:37	Mervyn Freeman (BAS)	On the Association Between Northward Turnings of the Interplanetary Magnetic Field and Substorm Onsets	P26.3	Mike Hapgood (RAL)	The Moon and the Plasmasheet - A Long Dance in Earth's Magnetosphere
14:37-14:49	Lucie Green (UCL)	What Are Transient Soft X-ray Sigmoids?	P26.6	Gemma Attrill (UCL)	Coronal Wave: Magnetic Footprint of a CME?
14:49-15:01	Mina Ashrafi (Southampton)	Auroral Structure and Kinematics (ASK): Results from a New Multi-spectral Imager	P26.9	Yulia Bogdanova (UCL)	The Magnetospheric Low-Latitude Boundary Layer and Cusp Dynamics During Interplanetary CME Events
15:01-15:13	Claire Foullon (UCL)	Multi-spacecraft Study of the January 21st 2005 ICME	P26.11	Betty Lanchester (Southampton)	Naturally-enhanced Radar Spectra and Low-energy Auroral Emission
15:13-15:25	Ruth Bamford (RAL)	Shields for the Starship Enterprise: A Reality?	P26.13	Emma Woodfield (Liverpool)	Effects of the Neutral Atmosphere on the Earth's Magnetic Field after a Storm
15:25-15:30	Poster Summaries		P26.14	Peter Boakes (Leicester)	A Statistical Study of The Open Flux Content of the Magnetosphere at the Time of Substorm Onset
			P26.15	Alan Wood (Wales)	A Case Study of Polar Cap Patches in the Vicinity of the Harang Discontinuity
			P26.16	Andy Breen (Wales)	3D Structure of the Inner Heliosphere - A New View from Radio Scintillation Observations
			P26.18	Giulio Del Zanna (UCL)	The Solar Spectral Irradiance in the EUV
			P26.20	Philippa Browning (Manchester)	A Relaxation Model of Heating in Coronal Loops with Axial Structure
			P26.21	Alexandra Cran-McGreehin (St. Andrews)	Ionospheric Depletion in Auroral Downward Currents

P26: From Sun to Earth and Beyond

Convenors: Lyndsay Fletcher, Mick Denton, Peter Cargill & Mike Hapgood

Wednesday 18 April 2007 @ 14:00-15:30 & 16:00-17:30 in Greenbank Building Lecture Theatre (GRLT)

Oral Programme			Poster Programme		
16:00-16:25	Gary Abel (BAS)	Complexity in the Sun-Earth System	P26.22	Michael Denton (Lancaster)	Elevated Ion Density at Geosynchronous Orbit During Sustained Northwards IMF
16:25-16:37	Stephane Regnier (St. Andrews)	On the Magnetic Nature of Active Regions: Twisted Flux Bundles vs Complex Topology	P26.23	Gareth Dorrian (Wales)	Equatorwards Expansion of the Fast Solar Wind
16:37-16:49	Richard Horne (BAS)	Electron Acceleration in the Earth's Radiation Belts by Fast Magnetosonic Waves Observed by CLUSTER	P26.25	Emma Whittick (Wales)	Influence of Bz Polarity on the High-latitude Ionospheric Plasma Distribution
16:49-17:01	Colin Forsyth (Leicester)	Observed Tail Current Systems Associated with Bursty Bulk Flows and Auroral Streamers	P26.26	Silvia Dalla (Manchester)	New Solar Active Region Emergence and Flare Productivity
17:01-17:26	Richard Harrison (RAL)	First Light from STEREO and the UK's Heliospheric Imager	P26.27	Andrew Kavanaugh (Lancaster)	Long-period Modulation of Wave-particle Interactions
17:26-17:30	Poster Summaries		P26.31	Joe Khan (Glasgow)	Precursor Type II Solar Radio Emission and the Origins of Large-scale Shock Waves on the Sun
			P26.32	Jo Sullivan (Southampton)	Auroral Small-scale Structure Observed with ASK and EISCAT Svalbard Radar
			P26.10	Balan Nanan (Sheffield)	Response of the Magnetosphere and Ionosphere to CME Events
			L26.2	Martin Birch (Central Lancashire)	Energetic Electron Activity in Auroral Regions: POES Satellite Observations during Enhanced Solar Wind
			L26.1	Jason Byrne (Trinity College)	Multi-scale Characterisation of CMEs
			L26.3	Martin Birch (Central Lancashire)	Variations in Cutoff Latitude During Selected Solar Energetic Proton Events
			P26.28	Nicola Longden (Lancaster)	Electron Precipitation Following an ICME Driven Geomagnetic Storm

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P27: Investigating the Mesosphere / Thermosphere

Convenors: Mike Kusch, Alan Aylward & Nick Mitchell

Tuesday 17 April 2007 @ 11:00-12:30 in Brook Building Room BB013

Oral Programme			Poster Programme		
11:00-11:20	Frank Mulligan (National University of Ireland)	OH-equivalent Temperatures Derived from ACE Satellite Temperature Profiles	P27.6	Mathew Beharrell (Lancaster)	A New Method for Deducing the Effective Electron-Neutral Collision Frequency Profile in the D-region
11:20-11:30	Eoghan Griffin (UCL)	Observations of the Extended Thermospheric Temperature and Wind Field over Svalbard			
11:30-11:50	Mike Kusch (Alaska)	A New Scanning Doppler Imager for Mawson, Antarctica			
11:50-12:10	Andrew Senior (Lancaster)	Estimating Ionospheric Conductances from Cosmic Noise Absorption Measurements			
12:10-12:30	Graham Routledge (Lancaster)	HF Heater Effect on PMSE as Observed by the IRIS Riometer			

P28: Extremely Large Telescopes

Convenors: Isobel Hook & Chris Evans

Monday 16 April 2007 @ 15:30-17:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
15:30-15:50	Roberto Gilmozzi (ESO)	Overview of the European ELT Project			
15:50-16:10	Colin Cunnigham (UK-ATC)	The UK ELT R&D Programme			
16:10-16:30	Isobel Hook (Oxford)	Overview of the European ELT Science Case and Design Reference Mission			
16:30-16:50	Chris Evans (UK-ATC)	A First-light, Multi-object Spectrograph for the E-ELT			
16:50-17:10	Niranjan Thatte (Oxford)	A NIR Integra;-Field Spectrograph for the ELT			
17:10-17:30	Jeremy Allington-Smith (Durham)	New and Recycled Ideas for ELT Instrumentation			

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P29: Current Facilities

Convenor: Anne Sansom

Wednesday 18 April 2007 @ 14:00-15:30 & 16:00-17:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
14:00-14:30	Iain Steele (Liverpool JMU)	Liverpool Telescope - New Opportunities and Instrumentation	P29.8	Wayne Holland (UK-ATC)	SCUBA-2: Wide-field Imaging in the Submillimetre
14:30-14:50	Rene Rutten (ING)	Instrumentation Prospects and Opportunities at the WHT	P29.5	Ilna Soechting (Oxford)	The Adaptive Optics Programme at Gemini
14:50-15:10	Simon Garrington (Manchester)	e-Merlin & e-VLBI			
15:10-15:30	Paul Saffin (Nottingham)	The COSMOS Supercomputing Facility			
16:00-16:30	Rachel Johnson (Oxford)	Gemini - Instrument and Operations Update			
16:30-16:45	Fred Watson (AAO)	The Anglo-Australian Observatory in 2007			
16:45-17:00	Phil Charles (SAAO)	Update on the Commissioning of SALT			
17:00-17:15	Gary Davis (JAC)	Status and Development of the JCMT			
17:15-17:30	Gary Davis (JAC)	Status and Development of UKIRT			

P30: Future Facilities

Convenor: Steve Rawlings

Thursday 19 April 2007 @ 11:00-12:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
11:00-11:15	Mike Bode (Liverpool JMU)	ASTRONET			
11:15-11:25	Martin Barstow (Leicester)	Update on Future UV Astronomy			
11:25-11:35	John Young (Cambridge)	Progress on the Design and Construction of the Magdalena Ridge Observatory Interferometer	P30.3	Rhaana Starling (Leicester)	Detecting Gamma-ray Bursts and their Afterglows with LOBSTER
11:35-11:45	Ray Sharples (Durham)	WF MOS - A Future Wide Field Spectroscopic Facility for Gemini/Subaru	L30.1	Michael Briggs (ROE)	Study of the MIRI Image Slicers via Diffraction Losses
11:45-11:55	Hugh Jones (Hertfordshire)	Precision Radial Velocity Spectrometer			
11:55-12:05	Matt Griffin (Cardiff)	The Herschel Space Observatory			
12:05-12:15	Richard Davis (Manchester)	Status and Prospects for Planck			
12:15-12:30	Peter Wilkinson (Manchester)	The SKA and its Pathfinders			

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P31: Astronomical Software and the Grid

Convenor: Nic Walton

Wednesday 18 April 2007 @ 11:00-12:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
11:00-11:20	Wil O'Mullane (ESA)	Gaia Data Processing: Computational and Data Challenges	P31.1	Patrick Daum (Lancaster)	VisAN MHD - A Toolbox in Matlab for MHD Model Data Visualisation
11:20-11:35	Elizabeth Auden (UCL)	eSDO Algorithms	P31.2	Nic Walton (Cambridge)	AstroGrid VO Release 2007.1
11:35-11:50	Eduardo Gonzalez-Solares (Cambridge)	The IPHAS Early Data Release	P31.9	Stephen Bourke (National University of Ireland)	Processing Large Radio Datasets
11:50-12:00	Iain Steele (Liverpool JMU)	eSTAR and Heterogeneous Telescope Networks			
12:00-12:10	Paresh Prema (Cambridge)	Galaxy Formation and Evolution in the VO			
12:10-12:20	Jonathan Tedds (Leicester)	Spectral Applications in AstroGrid and the VO			
12:20-12:30	Raffaele D'Abrusco (Cambridge)	A Photometric Unsupervised Candidate Quasars Selection Algorithm			

P32: Statistics for Astronomy

Convenor: Robert Walsh

Friday 20 April 2007 @ 11:00-12:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
11:00-11:25	Jack Ireland (ADNET/GSFC)	Modern Statistical Approaches in Astronomy			
11:25-11:40	Sotiris Adamakis (Central Lancashire)	Bayesian Analysis of Solar Coronal Loops			
11:40-11:55	Laura Mullin (Bremen)	Developing a Bayesian Model Comparison for Analysis of Doppler Tracking Data from Deep Space Spacecraft			
11:55-12:10	Martin Hendry (Glasgow)	Gamma-ray Bursts: Cosmic Rulers for the High-redshift Universe?			
12:10-12:30	Robert Walsh (Central Lancashire)	Open Discussion: The Further Development of Statistical Tools for Astronomers in the UK			

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P33: Origins of Dust in the Universe

Convenor: Albert Zijlstra

Tuesday 17 April 2007 @ 14:00-15:30 in Brook Building BB008

Oral Programme			Poster Programme		
14:00-14:20	Mike Edmunds (Cardiff)	Dust in the Universe	P33.4	Nicolas Wright (UCL)	3D Photoionisation Dust Modeling of the Planetary Nebula NGC 6302
14:20-14:30	Kristen Coppin (Durham)	Constraining the Dust Temperatures, Masses, and Luminosities of High-redshift Dusty Galaxies	L33.4	Ciska Markwick-Kemper (Manchester)	Crystalline Silicates, Corundum, and Periclase in the Quasar PG 2112+059
14:30-14:40	Joanna Fabbri (UCL)	Mid-IR Spitzer and Gemini Studies of Dust Production by Core-collapse Supernovae			
14:40-14:50	Rubina Kotak (QU-Belfast)	Supernova Studies with the Spitzer Space Telescope			
14:50-15:00	Haley Gomez (Cardiff)	A Supernovae Origin for Dust			
15:00-15:10	Eric Lagadec (Manchester)	Spitzer Spectroscopy of Mass-losing Carbon Stars in the Magellanic Clouds			
15:10-15:20	Ciska Markwick-Kemper (Manchester)	Dust Production in the Large Magellanic Clouds			
15:20-15:30	Nye Evans (Keele)	Dust Production in Novae			

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P34: Gamma Ray Bursts

Convenor: Carole Mundell

Thursday 19 April 2007 @ 11:00-12:30 in Harrington Building Room HA135

Oral Programme			Poster Programme		
11:00-11:15	Shiho Kobayashi (Liverpool JMU)	Recent Advances in Gamma-ray Bursts			
11:15-11:25	Julian Osborne (Leicester)	The X-ray Afterglows of Gamma-ray Bursts			
11:25-11:35	Andrea Melandri (Liverpool JMU)	Early-time Optical Properties of GRB Afterglows	P34.9	Bob Chapman (Hertfordshire)	Closing in on Local Bursts - Long GRBs within 155Mpc
11:35-11:45	Massimiliano De Pasquale (UCL)	Challenging the Current Model for the Gamma-ray Burst Canonical Afterglow Lightcurve	P34.6	Olivier Godet (Leicester)	Swift GRB 060105: A Long Bright Burst with a Pair Attenuation Feature & Unusual Afterglow
11:45-12:00	John Eldridge (QU-Belfast)	Properties of GRBs and their Circumburst Environments	P34.5	Kim Page (Leicester)	GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst
12:00-12:10	Rhaana Starling (Leicester)	The Structure of GRB Circumburst Media and the Distribution of p			
12:10-12:20	Stephanie Courty (Central Lancashire)	High-Redshift Galaxies and Hosts of Gamma-Ray Bursts			
12:20-12:30	Poster Summaries				

P35: Gravitational Waves and Astroparticles

Convenor: Anne Green

Wednesday 18 April 2007 @ 14:00-15:30 in Brook Building Room BB008

Oral Programme			Poster Programme		
14:00-14:20	Philip Wood (Edinburgh)	Nuclear Reactions in Exploding Stars			
14:20-14:40	Andrew Taylor (MPIfK)	High Energy Neutrinos from Astrophysical Accelerators of Cosmic Ray Nuclei			
14:40-15:00	Alexander Murphy (Edinburgh)	First Results of the ZEPLIN-II Dark Matter Detector			
15:00-15:15	Samuel Henry (Oxford)	Searching for Dark Matter with Cryogenic Detectors			
15:15-15:30	Michael Daniel (Leeds)	Status of VERITAS			

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P38: Education and Outreach

Convenors: Carolina Odman & Paul Roche

Tuesday 17 April 2007 @ 11:00-12:30 & 14:00-15:30 in Adelphi Building TVI Lecture Theatre (AB-TVI)

Oral Programme			Poster Programme		
11:00-11:05	Introduction				
11:05-11:20	Lucie Green (UCL)	Celebrating 60 Years of Space Science: International Heliophysical Year			
11:20-11:35	Ian Robson (UK-ATC)	International Year of Astronomy 2009	P38.6	Dugan Witherick (UCL)	AstroGrid: A Relevant Learning Tool for Future Astronomers?
11:35-12:00	Lars Lindberg Christensen (ESO)	Hands-on Science Communication			
12:00-12:15	Douglas Pierce-Price (ESO)	Education and Public Outreach Activities at ESO	P38.2	Nick Lister (Lawrence House Astronomy Centre)	The Lawrence House Astronomy Centre
12:15-12:30	Carolina Odman (Leiden)	The Universe Awareness Programme in the UK	P38.5	Stuart Lowe (Manchester)	The Jodcast
12:30-14:00	Lunch (Green Olive Café)	(i) The RAS and EPO in the UK (Michael Rowan-Robinson); (ii) Demonstration of Faulkes Telescope North live observing; (iii) Posters from schools and other education groups.			
14:00-14:15	Jim Wild (Lancaster)	We Have a SUN-EARTH PLAN!			
14:15-14:30	Robert Hill (Armagh)	EPO in Ireland			
14:30-14:45	Andy Newsam (Liverpool JMU)	The National Schools' Observatory			
14:45-15:00	Maggie Aderin (UCL)	tbc			
15:00-15:15	Francisco Diego (UCL)	Astronomy in the Classroom: School and Observatory Visits			
15:15-15:30	Paul Roche (Cardiff)	An Update on the Las Cumbres Observatory Global Telescope Network			

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P41: Cosmological Probes

Convenor: Chris Collins

Wednesday 18 April 2007 @ 11:00-12:30 in Harrington Building Lecture Theatre (HALT)

Oral Programme			Poster Programme		
11:00-11:15	Isobel Hook (Oxford)	Recent Results from the Supernova Legacy Survey			
11:15-11:30	Graham Smith (Birmingham)	Galaxy Clusters as Cosmological Probes - The Role of Gravitational Lensing in Controlling Systematics			
11:30-11:45	Neal Jackson (Manchester)	Scientific Drivers and Prospects for Future Strong-Lens Surveys			
11:45-12:00	Matt Hilton (Liverpool JMU)	Redshift Followup of the XMM Cluster Survey			
12:00-12:15	Filipe Abdalla (UCL)	Imaging Dark Energy in the Next Decade			
12:15-12:30	Utane Sawangwit (Durham)	The Search for Baryon Acoustic Oscillations in the Angular Correlation Function of 450,000 LRGs			

P42: Surveys: Wide, Deep, and Multi-wavelength

Convenor: Kathy Romer

Monday 16 April 2007 @ 15:30-17:30 in Harrington Building Room HA135

Oral Programme			Poster Programme		
15:30-16:05	Matt Jarvis (Hertfordshire)	Extragalactic Surveys from VISTA to the SKA	L42.1	George Seabroke (Cambridge)	RAdial Velocity Experiment (RAVE): The Mega Milky Way Star Survey
16:05-16:20	Maria-Rosa Cioni (ROE)	New Multi-wavelength Surveys of the Magellanic Clouds			
16:20-16:35	Ivan Baldry (Liverpool JMU)	Galaxy And Mass Assembly (GAMA)			
16:35-16:50	Mike Watson (Leicester)	Science with the 2XMM Serendipitous Source Catalogue			
16:50-17:05	Agnese Del Moro (Leicester)	The Nature of Extreme Fx/Fopt Sources in the 2XMMp Catalogue			
17:05-17:10	Poster Summaries				

P43: Young Astronomers Meeting

Convenors: Mark Westmoquette & Anais Rassat

Wednesday 18 April 2007 @ 11:00-12:30 & 14:00-15:30 in Adelphi Building Lecture Theatre (AB-TVI)

Oral Programme			Poster Programme		
11:00-11:30	Chris Lintott (Oxford)	Astrochemistry Beyond the Milky Way			
11:30-12:00	Mark Swinbank (Durham)	Probing the Properties of Starburst-driven Feedback in High-redshift Galaxies			
12:00-12:30	Lucy Hadfield (Sheffield)	Wolf-Rayet Stars in the Nearby Universe			
14:00-14:30	Caroline Zunckel (Oxford)	Reconstructing the History of Dark Energy using Maximum Entropy			
14:30-15:00	Fergus Simpson (Edinburgh)	Dark Energy Phenomenology			
15:00-15:30	Natasha Hurley-Walker (Cambridge)	Galaxy Cluster Observations with the Arcminute MicroKelvin Imager			