16 December, 2007

The Rt. Hon. John Denham MP Secretary of State for Innovation, Universities and Skills Department for Innovation, Universities and Skills 1 Victoria Street London SW1H 0ET

For and on behalf of the UK young researcher community: STFC Funding Deficit

Dear Secretary of State,

Over recent years the government's recognition and support of science has been laudable. Increased investment, support for science education at all levels, consultation based on scientific fact in Parliament, and recognition that science benefits the UK as a whole has helped the UK to be recognised as world-leading across a broad range of research areas.

We are baffled and dismayed by the swingeing cuts that are about to do serious damage to research in particle physics, nuclear physics, astronomy and astrophysics.

We understand that the UK's per annum budget will increase by £600m over the three year interval 2007-2008 to 2010-2011, to a total of nearly £4b. In this context, the threat to the UK's leading role and recognition in fundamental and important research for the relatively small amount of £80m seems incomprehensible. This is dispiriting to the community in general and sends the message that the government does not hold fundamental research in high regard. We try to encourage others into the field, but the budget cuts will inevitably discourage the uptake of science at all levels; school, undergraduate and postgraduate.

Along with the threat to UK particle physics, nuclear physics, astronomy and astrophysics, it is recognised that the UK's withdrawing support from a number of major current and future projects will harm the fields globally, and therefore the prospects for us when we develop and progress in our chosen careers. Given the recognition within the international community that the UK has gained, to ruin this reputation essentially overnight would be a travesty.

Particle physics, nuclear physics, astronomy and astrophysics are fields which excite and inspire young potential scientists, draw interest from school level upwards, and genuinely interest the public as a whole. This point cannot be stressed enough given the recent decline in the uptake of science subjects. Most of us decided to study physics at degree level as a result of having been inspired by particle physics, nuclear physics, astronomy and astrophysics.

Many of us are young, early career researchers in the fields under threat; we work in an incredibly challenging environment, highly pressured but motivated by a desire to develop new techniques and make new discoveries with our international colleagues to the highest degree of rigour and integrity. Many of us also work closely with schools and colleges, encouraging students so that they can pursue rewarding careers in physics.

We recognise that we will not all stay in research in the long term, but we all have aspirations and goals. Those who do not stay in research science take their knowledge, skills and international awareness into the wider community; arguably the best form of knowledge transfer. The attitude and ability of those moving into new fields has been recognised repeatedly by leaders in industry and finance.

We urge you to look into this matter expeditiously, before long-term damage is done to the community, and to the very future we rely on for the development of new science, new technology, science education and wide-ranging training which can, and does, benefit UK industry as a direct result of knowledge-based research.

The following 559 cosignatories represent a wide range of research fields including particle physics, theoretical particle physics, nuclear physics, astronomy, astrophysics, astroparticle physics, cosmology, neutrino detection, gravitational wave detection, dark matter detection, particle physics phenomenology, accelerator physics, solar physics, grid computing, plasma physics, mathematical physics, medical imaging, mathematics, quantum gravity, superconductivity, anti-hydrogen spectroscopy, nanotechnology, X-ray crystallography, biomaterial development, biological physics, organic semiconductor development, laser physics, fusion physics, earth sciences, space science, polar studies, solid state physics and quantum photonics.

quantum photonics.		
James Jackson	University of Bristol and RAL	High energy particle physics
Rosie Walton	University of Bristol and RAL	High energy particle physics
Clare Lynch	University of Bristol	High energy particle physics
Paul Szczypka	University of Bristol	High energy particle physics
Jim Brook	University of Bristol	High energy particle physics
Fred Dulwich	University of Bristol	Astrophysics
Rob Frazier	University of Bristol	High energy particle physics
Aaron Robotham	University of Bristol	Astrophysics
Carl P.T. Jackson	University of Birmingham	Neuroscience
Benedict Huckvale	University of Bristol	High energy particle physics
James Catmore	Lancaster University	High energy particle physics
Konstantinos Petridis	Imperial College London	High energy particle physics
Martin White	University of Cambridge	Particle Physics
Peter Williams	STFC Daresbury Laboratory	Accelerator Physics
Varun Kapoor	University of Manchester	Theoretical particle physics
Liam Keegan	University of Edinburgh	Theoretical particle physics
Thomas Reiter	University of Edinburgh	Particle physics phenomenology
Ioannis Papadimitriou	Swansea University	Theoretical particle physics
Tom Varley	University of Sheffield	Particle physics phenomenology
Mark Durkee	University of Cambridge	Mathematical physics
Matthew Forrest	University of Glasgow	High energy particle physics
Ben Jones	University of Cambridge	Natural sciences undergraduate
Manuel Losi	University of Cambridge	String theory
Susie Allison	University of Edinburgh	Condensed matter
Alan Phillips	University of Cambridge	High energy particle physics
Edmund Owen	University of Cambridge	Particle physics phenomenology
Jenny Richardson	Royal Observatory Edinburgh	Astrophysics
Lisa Hall	University of Sheffield	Cosmology
Joseph Conlon	University of Cambridge	High energy particle physics
Yasin Memari	University of Edinburgh	Cosmology
Clare Burrage	University of Cambridge	Theoretical cosmology
David Bailey	University of Manchester	High energy particle physics
Ben Panter	Royal Observatory Edinburgh	Astrophysics
David Futyan	Imperial College London	High energy particle physics
Nick Grant	University of Bristol	High energy particle physics
Victoria Moeller	University of Cambridge	High energy particle physics
Alex C Martyniuk	University of Manchester	High energy particle physics
Bridget Vincent	University of Cambridge	English literature
James W Storey	TRIUMF, Vancouver, Canada	Anti-hydrogen spectroscopy

Theoretical particle physics

High energy particle physics

James Barnard

Jenna Lane

University of Durham

University of Manchester

University of Manchester and Cockcroft Institute Accelerator physics Adriana Bungau Tamer Tlas University of Cambridge Quantum gravity Peter Dornan Imperial College London High energy particle physics James Rafferty Swansea University Theoretical particle physics Sarah Allwood-Spiers University of Glasgow High energy particle physics Paul Scovell University Of Edinburgh Particle astrophysics James Grieve University of Bristol Nanotechnology Mark Yonge Swansea University Theoretical particle physics David Wilson University of Durham Theoretical particle physics Vladimir Vava Gligorov University of Glasgow High energy particle physics Laur Vallikivi University of Cambridge Polar studies Gavin Cullen University Of Edinburgh Theoretical particle physics Oliver Brein University of Durham Theoretical particle physics Graeme Burt Lancaster University Accelerator physics Mark Hodgkinson University of Sheffield High energy particle physics Krisztian Peters University of Manchester High energy particle physics Dominik Stockinger University of Glasgow Theoretical particle physics Mark Tibbetts Imperial College London High energy particle physics Kemal Ozeren University of Durham Theoretical particle physics Aidan Randle-Conde **Brunel University** High energy particle physics Andreas Papaefstathiou University of Cambridge Theoretical particle physics Jonathon Carter University of Durham High energy particle physics Peter Athron University of Glasgow Theoretical particle physics John D. Chapman University of Cambridge High energy particle physics Simon Reynolds Royal Observatory Edinburgh Astrophysics James Monk University College London High energy particle physics Lancaster University Ruth Davidson High energy particle physics Christopher Collins-University of Glasgow High energy particle physics Tooth Simone Marzani University Of Edinburgh Theoretical particle physics Colin Mclean University Of Edinburgh High energy particle physics Francis Bostock University of Bristol High energy particle physics Roncarolo Federico University of Manchester and Cockcroft Institute Accelerator physics Daniel Walker University of Bristol High energy particle physics Adina Toader University of Manchester and Cockcroft Institute Accelerator physics John Loizides University College London High energy particle physics University College London Lily Asquith High energy particle physics Chris Curtis University of Birmingham High energy particle physics Mark Round Swansea University Theoretical particle physics Michael Nash University College London and RAL High energy particle physics **Christopher Town** University of Cambridge Computer science Theoretical particle physics Ben Allanach University of Cambridge David Grellscheid University of Durham Particle physics Christina Swinson Oxford University Accelerator physics Shak Fernandes University of Sussex Neutrino physics Stefan Ask University of Manchester High energy particle physics Joanne Cole STFC Rutherford Appleton Laboratory High energy particle physics

Lee de Mora

Lancaster University

High energy particle physics

Michael David Salt University of Manchester and Cockcroft Institute Accelerator physics

Andrew Blue University of Glasgow High energy particle physics

Bino Maiheu University College London Accelerator physics

Arthur Moraes University of Glasgow High energy particle physics
Nick Barlow University of Cambridge High energy particle physics

Lawrence DeaconRoyal Holloway, University of LondonAccelerator physicsGreg WardUniversity of SheffieldNeutrino physicsPaul BellUniversity of ManchesterParticle physics

Sophy Palmer University of Durham Particle physics phenomenology

Jody Palmer University of Manchester X-ray tomography

Helen Hayward University of Liverpool High energy particle physics

Dave Evans University of Bristol High energy particle physics

Sean Paling University of Sheffield Astroparticle physics

Ria Johnson University of Birmingham Astrophysics
Ian Taylor Imperial College London Neutrino research
David Chow University of Cambridge Theoretical physics

Ling Yan Hung University of Cambridge String theory

James Keates University of Manchester Particle physics phenomenology

Pawel Majewski University of Sheffield Astroparticle physics
Joel Weller University of Sheffield Dark energy physics

Terrance Figy University of Durham Theoretical particle physics
Gudrun Heinrich University of Edinburgh Theoretical particle physics

Andrea Murray University of Manchester Medical imaging

Simon George Royal Holloway, University of London High energy particle physics
Riccardo Bassiri University of Glasgow Gravitational wave detection
Tracey Li University of Durham Theoretical particle physics

Oleg Brandt Oxford University Particle physics

Andrew James Poll Queen Mary College, University of London High energy particle physics

Matthew Mottram University College London High energy particle physics

Stuart Littlefair University of Sheffield Astrophysics
Katherine Inskip University of Sheffield Astrophysics

Katharine Leney University of Liverpool High energy particle physics
Karina Williams University of Durham Particle physics phenomenology
Simon Metson University of Bristol High energy particle physics

Paul Heslop Queen Mary College, University of London String theory

Mark Dorman University College London Neutrino physics

Ben Cooper Queen Mary College, University of London High energy particle physics
Thomas Barber University of Cambridge High energy particle physics

Megan ArgoJodrell Bank ObservatoryAstrophysicsRita TojeiroUniversity of EdinburghAstronomy

Mike MacIntyre University of Sussex Computational cosmology
Nigel Watson University of Birmingham High energy particle physics

Sebastian Boeser University College London High energy physics

Antonio Padilla University of Nottingham Theoretical particle physics
Stephanie Donleavy University of Liverpool High energy particle physics

Duncan ForganRoyal Observatory EdinburghAstrophysicsPirin ErdogduUniversity College LondonCosmologyBrendan JacksonUniversity of EdinburghCosmology

Ivan D ReidBrunel UniversityHigh energy particle physicsJames BedfordImperial College LondonField theory and string theory

Jim Grozier University of Sussex Neutrino physics

Jamie VicaryImperial College LondonFoundations of quantum mechanicsChun-Hay KomUniversity of CambridgeParticle physics phenomenologyFabrizio SalvatoreRoyal Holloway, University of LondonHigh energy particle physics

Carl Gwilliam University of Liverpool High energy particle physics
William Hartley University of Nottingham Astronomy

C. K. Lencz University of Sussex Infrared astronomy

Javier RodriguezUniversity of SheffieldAstrophysicsMichelle Lanyon-FosterUniversity of NottinghamAstronomy

John Proctor University of Edinburgh Science at extreme conditions
Kenneth Wraight University of Glasgow High energy particle physics

Jeff Hartnell University of Sussex Neutrino physics Sergey Grigorian University of Cambridge String theory A. Edgeworth University of Edinburgh Medical physics University of Sussex Neutrino physics David Auty Richard Dowdall University of Nottingham Quantum gravity Steve Aplin DESY, Hamburg, Germany Accelerator physics Alex Chambers Imperial College London Theoretical cosmology

Juergen P ThomasUniversity of BirminghamHigh energy particle physicsTobias RauferSTFC Rutherford Appleton LaboratoryHigh energy particle physics

Kosmas Panagiotidis University of Liverpool Accelerator physics
Frank Ford University of Liverpool Gauge field theory

David Houseman University College London Particle physics phenomenology
Paul Smith University of Sheffield High energy particle physics

Derek Harland University of Durham Mathematical physics

Luke Mcdermott University of Manchester Theoretical particle physics

Stephan Eisenhardt University of Edinburgh High energy particle physics

John HammersleyUniversity of DurhamTheoretical physicsJuan Pablo VentImperial College LondonTheoretical physicsKai Meng HockUniversity of LiverpoolAccelerator physics

Gavin Nicholson Imperial College London Cosmology
Duminda Dahanayake Imperial College London String theory
Jonathan Duke Liverpool John Moores University Astronomy

Marco Sampaio University of Cambridge Theoretical particle physics
Hannah Scott University of Birmingham High energy particle physics

Nawin Juntong University of Manchester Accelerator physics

Richard Plackett Imperial College London High energy particle physics
Cathy Nockles University of Liverpool Particle physics phenomenology

Alexander Dunford University of Sussex Astrophysics

Andy Blake University of Cambridge High energy particle physics
Sam Harper STFC Rutherford Appleton Laboratory High energy particle physics

Anna Gustavsson Imperial College London Foundations of quantum mechanics

David Lee Imperial College London Accelerator physics

Daniel Clements University of Glasgow High energy particle physics

Darren Price Lancaster University High energy particle physics

Andrea Marcolini University of Central Lancashire Astrophysics

Muhammad Furgaan King's College London Theoretical cosmology Yusaf Michele Faucci Giannelli Royal Holloway, University of London High energy particle physics Philip Xina Oxford University High energy particle physics University of Central Lancashire Hannah Worters Astrophysics Lars Michael University of Central Lancashire Asteroseismology Freyhammer Phil Bett University of Durham Computational astrophysics Anne-Marie Magnan Imperial College London High energy particle physics Conny Hansson University of Manchester X-ray detector development Paulo Pires Pacheco Imperial College London Theoretical particle physics Riccardo Ricci Imperial College London High energy physics Mark Slater University of Cambridge High energy particle physics Blair Edwards Imperial College London and RAL Astroparticle Physics Roy Smits University of Manchester Astrophysics Paul Prichard University of Liverpool High energy physics Julia Kennedy University of Edinburgh Gravitational wave detection Justin Evans Oxford University Neutrino physics **David Pennicard** University of Glasgow Detector development Richard J Parker University of Sheffield Theoretical astrophysics Gavin Merrifield University of Edinburgh Preclinical medical physics Mark Brook University of Nottingham Particle cosmology John J Back University of Warwick High energy particle physics Joanna Goodger University of Hertfordshire Astrophysics Susan Haines University of Cambridge High energy particle physics James Ferrando Oxford University High energy particle physics Steven Johnston Imperial College London High energy particle physics Catrin Bernius University College London High energy particle physics **Daniel Hollington** Imperial College London High energy particle physics Andy Pilkington University of Manchester High energy particle physics Graham Jones University of Manchester High energy particle physics Richard Allison University of Sheffield Astrophysics Marcel Stanitzki STFC Rutherford Appleton Laboratory Detector development Michael James University of Liverpool High energy particle physics Flowerdew Chris Tevlin University of Manchester Particle physics phenomenology Rob Crain University of Durham Computational astrophysics Amandeep Josan University of Nottingham Particle physics William Nelson King's College London Theoretical cosmology Anna Mayne University of Sheffield High energy particle physics Martin Wolf Imperial College London String theory Jamie Tattersall University of Durham Particle physics phenomenology Jamie Ballin Imperial College London High energy particle physics Joseph Lilley University of Birmingham High energy particle physics Oisin Mac Conamhna Imperial College London Mathematical sciences **Gareth Rogers** University of Cambridge High energy particle physics Mairead Skelly Imperial College London Astrophysics Tom Riddick University College London High energy particle physics **Dougal Mackey** Royal Observatory Edinburgh Astrophysics

Jeanette Gladstone University of Durham Physics

Rich Bielby University of Durham Extragalactic astronomy

Jane Noglik University of Central Lancashire Solar physics
Clare Quarman Royal Holloway, University of London Particle physics

Martin Gallacher University of Birmingham High energy particle physics
Andreas Doering Imperial College London Mathematical Physics
Louisa Nolan University of Birmingham Extragalactic astrophysics
Chamkaur Ghag University of Edinburgh Dark matter detection

Jonathan Middleton University of Cambridge Cosmology

James EttleUniversity of SouthamptonTheoretical particle physicsClaire ThorneImperial College LondonDark matter detectionKenneth LessnoffUniversity of BristolHigh energy particle physics

Cora Cheung Imperial College London Solid state physics
Alick Deacon University of Manchester Nuclear physics
Sam Tygier University of Manchester Accelerator physics

James MullaneyUniversity of DurhamAstrophysicsBen CowsillUniversity of ManchesterBiological physics

Simon Dean University College London High energy particle physics

Tao Wu Royal Holloway, University of London High energy particle physics

Andy Buckley University of Durham Particle physics phenomenology
David Wardrope Imperial College London High energy particle physics

Christian Zakian University of Manchester Biomedical optics

Samantha Penny University of Nottingham Astronomy

Eleanor Dobson Oxford University High energy particle physics

Daniel Roythorne University of Warwick Particle physics phenomenology

Christina Potter, Royal Holloway, University of London High energy particle physics

Emma Rigby Cardiff University Astronomy

Stuart Wakefield Imperial College London High energy particle physics

Alexey Lyapin University College London Accelerator physics
Samantha Hardman University of Manchester Photon physics

George Dixon University of Birmingham Gravitational wave detection

David Turton Queen Mary College, University of London String theory

Christopher Burt University of Southampton Gamma-ray spectrometers
Richard Savage University of Warwick Bio and medical informatics

Christian Kaiser University of Southampton Astrophysics

Timirgaziu

Bilge Demirkoz CERN, Geneva, Switzerland High energy particle physics

Beth Ashbridge University of Cambridge Chemical biology
Maria-Cristina University of Liverpool String theory

Mark Stockton University of Birmingham High energy particle physics

Carl Metelko STFC Rutherford Appleton Laboratory Neutrino physics
Caroline Francis University of Edinburgh Astrophysics

Christopher Reeve University of Sussex Low energy particle physics

Jo Sullivan University of Southampton Ionospheric plasma physics

Adrian Barker University of Cambridge Theoretical astrophysics

Senthooran University of Cambridge Theoretical astrophysics

Theoretical astrophysics

Theoretical cosmology

Rajamanoharan

Lara Silvers University of Cambridge Astrophysical fluid dynamics

Katy Sheen University of Cambridge Earth sciences

Joesph Anderson Liverpool John Moores University Astrophysics

Stefan Dougan University of Cambridge Physics undergraduate
Robinson Cortes-Huerto Queen's University Belfast Condensed matter physics

Adam B. Hill University of Southampton X-ray and gamma-ray astrophysics

Simone Scaringi University of Southampton Gamma ray astrophysics
Stuart Stubbs University of Manchester Laser spectroscopy

Sven Krippendorf University of Cambridge String theory phenomenology

Rebecca Newland University of Southampton Space debris environment modeling

Meltem Akyilmaz University of Durham Molecular astrophysics

Riccardo Brunino University of Nottingham Physics
Ben Burningham University of Hertfordshire Astrophysics
Phil Jones University College London Laser physics

Emma Robinson University of Birmingham Gravitational wave detection

Matthew Tamsett Royal Holloway, University of London High energy particle physics

Elizabeth Maria Clarke STFC Rutherford Appleton Laboratory Science educational outreach

University College London High energy particle physics

Nicola Wilson University of Warwick Magnetism

Mike Woods SLAC, Stanford, USA Accelerator physics

Mark RosinUniversity of CambridgeAstrophysical fluid dynamicsPhilip TanedoUniversity of DurhamParticle physics phenomenologyNeil CollinsUniversity of BirminghamHigh energy particle physicsCaitriana NicholsonUniversity of GlasgowHigh energy particle physics

Andrew Lowe Royal Holloway, University of London High energy particle physics
Catherine Wright University of Glasgow High energy particle physics
Mary Twaddle University of Glasgow High energy particle physics

Condensed matter physics

Antony Stanley-Clarke University of Bristol Quantum photonics
Filimon Gournaris University College London Accelerator physics

Ying Ying Li University of Cambridge High energy particle physics
Thomas Latham University of Warwick High energy particle physics
Ross Stanley Swansea University High energy particle physics

Tom Van Doorsselaere University of Warwick Solar physics Valeria Bartsch University College London Physics

University of Warwick

Lisa Alexander University of Manchester Theoretical particle physics
Rosa María Durán University of Manchester Theoretical particle physics

Delgado

Daniel O'Flynn

Christopher G. Blanks Imperial College London High energy physics

Anthony Yeates University of St Andrews Solar and magnetospheric theory

Jiri Masik University of Manchester High energy particle physics

Tom Byatt University College London High energy particle physics

James Dobson Imperial College London Neutrino physics

Martin Haynes University of Warwick Theoretical solar physics

Robert L. Flack University College London Physics

Moritz McGarrie Queen Mary College, University of London String theory

Sarah Malik University College London High energy particle physics

Daniel Summons London Finance

Leron Borsten Imperial College London Theoretical high energy physics

James CookUniversity of WarwickFusion plasmasPhilip RodriguesOxford UniversityParticle physics

Laurence Carson University of Glasgow High energy particle physics

Julian Sonner University of Cambridge Theoretical high energy physics

Raymond Davis Royal Holloway, University of London Nanotechnology

lain D Kendall University of Glasgow Theoretical particle physics

Dave Pickup University of Kent Biomaterials

David ClarkUniversity of SouthGamma ray astrophysicsBeau WebberHeriot-Watt UniversityCondensed matter physicsMarc DubbeldamUniversity of DurhamAstronomical Instrumentation

Graham Dinsdale University of Manchester Laser photonics

Maryam Shaeri University of Nottingham Particle theory and cosmology
Teh Lee Cheng University of Bristol High energy particle physics

Jonathan Rowles University of Kent Astrophysics

Janette Gladstone University of Durham Extragalactic astronomy

Robert Moss University of Kent Materials science

Helen Middleton Aberystwyth University Ionospheric tomography
David Parkinson University of Sussex Theoretical astrophysics

Sotiris Adamakis University of Central Lancashire Solar physics
Horace Stoica Imperial College London String theory
Jelena Ilic University of Warwick Particle physics

Graeme Watt University College London High energy particle physics
Erwin Verwichte University of Warwick Solar and fusion physics
Elaina Ford British Antarctic Survey Atmospheric physics

Alexander Richards University College London High energy particle physics
Clinton Ferreira University of Warwick Computational plasma physics
Bart Hommels University of Cambridge High energy particle physics

Georgios University of Cambridge Detector development

Mavromanolakis

Emily Nurse University College London High energy particle physics

Scott G. Gregory University of St Andrews Astronomy

Daniel Beecher University College London High energy particle physics

Chris SheehanUniversity of St AndrewsAstronomyHiranya PeirisUniversity of CambridgeCosmology

Paul Shaw University of St Andrews Organic semiconductors

Nicholas Dunstone University of St Andrews Astrophysics

Lara Torralbo-Campo University of St Andrews Cold atomic physics

Eoin Kerrane University of Edinburgh Theoretical particle physics
Mark Douglas University of Sheffield Applied mathematics

Noé Kains University of St Andrews Astrophysics

Erik Gerwick University of Edinburgh Theoretical particle physics

Rob Williamson STFC Rutherford Appleton Laboratory Accelerator physics

Sarah Boutle University College London High energy particle physics

Alessandra Forti University of Manchester Grid computing

James Zanotti University of Edinburgh Theoretical particle physics

Daniel Nicholass University College London High energy particle physics

Chris Copperwheat University of Warwick Astronomy

Bob Taylor University of Glasgow Gravitational wave detection

Glyn Collinson Mullard Space Science Laboratory, UCL Spacecraft instrumentation Laura Gilbert Oxford University High energy particle physics University College London High energy particle physics **Christopher Taylor** Borja Sorazu University of Glasgow Gravitational wave detection Robert N. Hodgkinson Theoretical particle physics University of Manchester Segheen Beyene University College London Plasma physics Chris Richards University of Liverpool Theoretical particle physics Neil Copland HRI, India String theory John McMillan University of Sheffield **Physics** University College London Adam Davison High energy particle physics Yasir Soobiah Mullard Space Science Laboratory, UCL Solar wind interaction Paul Cruickshank University of St Andrews Electron spin resonance Andrew Walsh Mullard Space Science Laboratory, UCL Space plasma physics Claire Foullon Mullard Space Science Laboratory, UCL Space plasma physics Maria Hansen University of Bristol High energy particle physics University of Warwick John Thornby Neutrino physics **Christopher Watson** University of Sheffield **Astrophysics** Sheila Kanani Mullard Space Science Laboratory, UCL Plasma and planetary physics Andrea Fischer University of Warwick Quantum disordered systems Sarah Gordon Imperial College London Cosmochemistry and meteoritics Thomas Neukirch University of St Andrews Solar and astrophysical plasma theory Mark Rayner Oxford University and RAL Ionization cooling of muons **Eric Torrence** University of Oregon High energy particle physics James A McLaughlin University of St Andrews MHD wave propagation **Ruth Nicol** University of Warwick Astrophysics and plasma physics William Panduro Imperial College London High energy particle physics Vazquez Thomas Hayes University of Warwick Superconductivity and magnetism Antonia Wilmot-Smith University of Dundee Solar physics Alison Wallace Mullard Space Science Laboratory, UCL Solar physics **Chris Eames** Imperial College London High energy particle physics Alexander Haupt Imperial College London Theoretical particle physics Colin Forsyth University of Leicester Magnetospheric physics Laura Kormos Lancaster University Particle physics Iliia Biziak University College London High energy physics James Allen University of Cambridge Astronomy Tim West University of Manchester High energy particle physics Yue-Lin Sming Tsai University of Sheffield Astroparticle physics Shehu AbdusSalaam University of Cambridge Theoretical particle physics Eugenia Puccio University of Warwick High energy particle physics Duncan H Mackay University of St Andrews Solar physics University of Cambridge Olga Goulko High energy particle physics Ross Collins University of Edinburgh Survey astronomy Andrew Haynes University of St Andrews Solar physics Robert Fear University of Leicester Solar physics UC Berkeley, USA Yury Kolomensky High energy particle physics

String theory

X-ray crystallography

Eduard Antonyan

David Walker

Imperial College London

University of Warwick

David Menzies University of St Andrews Quantum information science

John Taylor University of Warwick Astronomy

Kimberley Steed Mullard Space Science Laboratory, UCL Space plasma and solar physics
Gagan B Mohanty University of Warwick High energy particle physics

Tim Lawson University of Sheffield Neutrino research

Barnaby Rowe Institut d'Astrophysique de Paris Observational Cosmology

Talini Pinto STFC Rutherford Appleton Laboratory High energy particle physics

Jayawardena

Debbie Hill University of Sussex Physics undergraduate

Greig A Cowan University of Edinburgh Particle physics

Jan Wennekers University of Edinburgh Theoretical particle physics

Mathieu Ehrhardt University of Cambridge Quantum field theory

Jenny Wooldridge University of Warwick Superconductivity and magnetism Matthew Pitkin University of Glasgow Gravitational wave detection

Richard Walker Imperial College London Dark matter detection

Martyn Gigg University of Durham Particle physics phenomenology
Are R. Raklev University of Cambridge Particle physics phenomenology

Rhona Maclean University of St Andrews Solar physics

Dee McDougall University of St Andrews Solar physics

Dorje C. Brody Imperial College London Financial mathematics

Ineke De MoortelUniversity of St AndrewsSolar physicsOmar JamilUniversity Of SouthamptonAstrophysicsAlexander RussellUniversity of St AndrewsSolar physics

Katrin Pechstedt University of Southampton Quantum light and matter

Susana Barros University of Warwick Astrophysics
Colin Folsom Armagh Observatory Astrophysics

Peter MurrayUniversity of GlasgowGravitational wave detectionMartin SahlénUniversity of SussexObservational cosmology

Anthony Scarfe University of Manchester and Cockcroft Institute Accelerator physics

Michael Heaton Liverpool John Moores University Astrophysics

Robert Wicks University of Warwick Space plasma physics

Paul James LaycockUniversity of LiverpoolParticle physicsOwain YoungUniversity of SussexAstrophysicsKieran FlanaganUniversity of ManchesterNuclear physicsMartin HaighUniversity of WarwickNeutrino research

Lieke van Spaandonk University of Warwick Astronomy and astrophysics

James WildLancaster UniversitySolar physicsKhurom KiyaniUniversity of WarwickPlasma physics

Kim Alwyn University of Manchester High energy particle physics

Christopher Cowden University of Cambridge High energy physics

Clare Parnell University of St Andrews Solar physics
Yves Coppens University of Birmingham Grid computing
Mark Booth University of Cambridge Astronomy

Thomas Greenham University of Bristol Veterinary science

Tom Whyntie Imperial College London High energy particle physics

James Aldous University of Warwick Surface and interface physics

Anastasia Freshville University College London Particle physics
Luke Barnes University of Cambridge Astronomy

Stuart Lynn Royal Observatory Edinburgh Cosmology

Ben Constance Oxford University Accelerator physics

Elizabeth Blackburn University of Birmingham Condensed matter physics

Adrian Grocott University of Leicester Solar physics

Vladimir Vasiliev University College London High energy particle physics Josephine Beale University College London High energy particle physics

Alexander Mustill University of Cambridge Astronomy

Alistair Hart High energy particle physics University of Birmingham Thomas Swan University of Surrey Experimental nuclear physics

Tim Staley University of Cambridge Astronomy

Stephen Dallison STFC Rutherford Appleton Laboratory High energy particle physics Matthew Barrett **Brunel University** High energy particle physics

Stuart McAlpin Atomic Weapons Establishment Plasma physics

Steven Steer University of Surrey Experimental nuclear physics Scott Braithwaite Lancaster University High energy particle physics University of Warwick William A. Hornsby Theoretical plasma physics

Suman-Lata Sahonta Aristotle University of Thessaloniki, Greece Solid state physics Gemma Wilson Nuclear physics University of Surrey

David Wallom Oxford e-Research Centre e-Research

Sophie Avesque McGill University, Montreal, Canada Solid state physics

Nicholas Owen University of St Andrews Solar physics

Hannah Parkinson Royal Observatory Edinburgh Theoretical cosmology Condensed matter physics

Oxford University Alistair Armstrong-

Brown

Samuel George University of Birmingham **Astrophysics** Neil J Tarrant University of Birmingham Asteroseismology Jason McEwen University of Cambridge Astrophysics Kirill Krasnov University of Nottingham Quantum gravity Avril Day-Jones University of Hertfordshire Astrophysics Mark Rodgers University of Siegen, Germany Particle physics

Lili Ma Cockroft Institute Accelerator physics Naomi Wyles STFC Daresbury Laboratory Accelerator physics

Amy Bartlett University of Surrey Theoretical nuclear physics Cecilia Aas University of Cambridge Physics undergraduate Bruce Gallop STFC Rutherford Appleton Laboratory High energy particle physics

Louisa Reynolds University of Edinburgh Geoscience Pawel Guzowski Imperial College London Neutrino physics

Robin Sterling University of Sussex Ion trap quantum computing

Lei Zang Cockroft Institute Accelerator physics

Niall Deacon Radboud University. Netherlands **Astrophysics**

Andres Osorio-Oliveros University of Edinburgh High energy particle physics Observational cosmology Leon Baruah University of Sussex

Christopher Smith University of Southampton **Photonics**

Gemma Fardell University of Edinburgh High energy particle physics

Kristin Lohwasser Oxford University Particle physics Chris Reeves University of Exeter **Astrophysics** Martin Dominik University of St Andrews Astronomy Anita Schael University of Edinburgh Cosmology

Camilla Schelpe University of Cambridge Theoretical cosmology

Jeanne Wilson Oxford University Neutrino physics

David Cote DESY, Hamburg, Germany High energy particle physics

Manda Banerji University College London Cosmology

Mark Grimes University of Bristol High energy particle physics

Jeffry S Thomas University of Surrey Experimental nuclear physics

David Perez-SuarezArmagh ObservatorySolar physicsPeter BoakesUniversity of LeicesterSolar physics

Angharad Kenway University of Durham Theoretical particle physics

Robert Cumberland University of Sussex Astronomy

Kurt Rinnert University of Liverpool Particle physics

James Mylroie-Smith University of Liverpool High energy particle physics

Matthew Dolan University of Cambridge String theory

Themistoklis Mastorides SLAC, Stanford, USA Accelerator physics

David A Burton Lancaster University and Cockcroft Institute Theoretical accelerator physics

Phil Uttley University of Southampton X-ray astronomy

Danielle Stewart University of Warwick Neutrinoless double beta decay

Matthew Thomson University of Sussex Astronomy

Huiquan Li University of Sussex String cosmology

Mark Kelly University of Manchester High energy particle physics

Judith H. CrostonUniversity of HertfordshireAstrophysicsLeslie HebbUniversity of St AndrewsAstronomy

Brian Walshe University of Edinburgh Astronomy data archiving

Stephen J. Gowdy SLAC, Stanford, USA Particle physics
Michael George Red Hat, Inc. IT consultant

Sudarshan Royal Holloway, University of London High energy particle physics

Paramesvaran

Robert John Bainbridge Imperial College London High energy particle physics

Robert Zietal University of Sussex Theoretical physics
Benjamin Withers Imperial College London Particle physics
Joe Geldart University of Durham Computer science
Amanda Weltman University of Cambridge Theoretical cosmology

Daniel Whiter University of Southampton Solar physics
Andrew J. Kavanagh University of Southampton Solar physics

Nfor Julius Cyclotron Development laboratory, South Korea Accelerator physics

David Forrest University of Glasgow Neutrino physics

Daniel CalveloUniversity of SouthamptonAstronomyDavid RussellUniversity of SouthamptonAstronomyAlina KiesslingUniversity of EdinburghCosmologyPhil HellaryUniversity of SussexAstronomy

Mark Tobin University of Liverpool High energy particle physics

Kareem Osman Imperial College London Solar wind turbulence

Eric Tittley Royal Observatory Edinburgh Astronomy

William Reece Imperial College London High energy particle physics

Ian TaylorCity University LondonEngineeringDavid TretheweyUniversity of CambridgeAstronomyEmily Hackett-JonesUniversity of EdinburghString theoryBen LowingUniversity of DurhamCosmology