

MResearch and Knowledge Exchange Committee
Annual Report on School Research Activity for 2014/15

School:	Mathematical & Physical Sciences
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Executive Summary¹
Almost hit our financial targets. About 99% of research grant income target about 95% of contribution income target

Part 1: Summary of activity

Staffing	Number	FTE
All staff	118	111
Research only (I realised I didn't know what these categories mean)		

Research students	Number	FTE
Funded	93	92.5
Self-funding	29 ♠	26.5 ♠
New	48	48
On continuation	22	N/A
Full-time	116	N/A
Part-time	6	N/A

Research output		Number
Peer-reviewed	Books	
	Chapters	
	Articles	
		Number
Non peer-reviewed	Books	
	Chapters	
	Articles	
	Book reviews	

♠ *Independent third-party funded plus self-funders.*

¹ To include: goals met / achieved; challenges faced; goals set for current academic year and plan of how these will be met; summary of any interdisciplinary initiatives and collaborations

	Number	Total amount (£)
External funding grants (I've listed here the annual spend rather than the awards)	39	£3.3M

Conferences attended		Number
National		18
International		57
Unspecified ♠		18
♠ Classification is based on the location of the event. Forty-two faculty responded. Ten faculty did not respond.		
		Number
Conferences hosted / co-organised		6

	Number	Amount generated (£)
External consultations		£3k

		Number
Staff / research mentions in press		
Local		5
National		4
International		5

Part 2: Activity since last Research & Knowledge Exchange meeting held 4 June 2014

Research related appointments:	Not available from reports I've received	
Details of key research grants received:	To be filled in	
	Total (£):	£1.9M

Applications for funding:	To be filled in	
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	Total (£):	£7.5M
Awards and recognitions:	<p>Seb Oliver appointed as non core member of STFC science board</p> <p>Simon Peeters a member of STFC's PPRP now (and a specialist for the LZ Dark Matter review and SuperNemo experiment)</p> <p>Seb Oliver appointed to STFC Education and Training panel</p> <p>Seb Oliver appointed to STFC Earnest Rutherford Fellowship Panel.</p> <p>Simon Peeters the elected chair of the SNO+ scientific management board</p> <p>Antonella de Santo asked to act as external referee for a professorial appointment at a Russell group university.</p> <p>Mark Sargent nominated to e-MERLIN time allocation committee</p>	
Conference talks	<p>PhD student Zara Grout gave a talk on Supersymmetry searches at ATLAS and CMS, at the international conference ISMD2014, Bologna, Italy.</p> <p>in July Antonella De Santo gave two talks at the major international conference for particle physics, ICHEP14, in Valencia, Spain. One talk was on the Level-1 tracking system proposed for the Phase-2 ATLAS upgrade, while the other was about some Standard Model ATLAS results from Run-1 (electroweak production of Z boson in conjunction with two hadronic jets).</p>	
Areas of Knowledge Exchange:	<p>Innovation partnership Fellow being appointed</p> <p>Lots of outreach activities</p>	

Key activities (not covered above):	<p>Mark Hindmarsh 750k CPU-hours from Finnish Centre for Supercomputing (CSC) 8.8 M CPU-hours from Swiss National Supercomputer Centre (CSCS) Mark Sargent 20h awarded telescope time with VLT/MUSE (PI: Aravena; Title: 'Deep MUSE spectroscopy of a galaxy protocluster at $z = 5.3$')</p> <p>MPS admitted a record number of 47 new PhD students for the new academic year 2014-15 (23 in Physics, 19 in Maths, 5 in Astronomy), more than doubling the PGR intake over the last two years (there were 19 newly admitted PGR in 2012-13, faculty growth over the same time ~50%).</p>
Any other issues:	<p>QT Hub announcements expected imminently in which we have been very successful to tune of about £6M</p>

Name:	Seb Oliver	School:	MPS
		Date:	24 th October 2014