

JOSHUA HELLIER

School of Physics and Astronomy, University of Edinburgh,
JCMB 4310, Peter Guthrie Tait Road, Edinburgh EH9 3FD, U.K.
joshuadmhellier@gmail.com

Education

2014 –	PhD candidate	Condensed Matter Theory University of Edinburgh
2013 – 2014	Master of Applied Mathematics Distinction	Applied Mathematics with Numerical Analysis University of Manchester
2012 – 2013	Master of Physics Second Class, Division II	Part III Physics University of Cambridge (Trinity College)
2009 – 2012	Bachelor of Arts Second Class, Division I	Natural Sciences Tripos University of Cambridge (Trinity College)

Research Placements / Professional Activities

Summer 2012	Cavendish Laboratory SAW group, University of Cambridge
Summer 2011	Photon Science Institute, University of Manchester
Summer 2008	School of Physics and Astronomy, University of Manchester
Oct 2007 – Sept 2009	Nationwide Building Society, Salford

Conference and Seminar Talks and Posters

- Poster on “Sensitivity Functions in Muon Scattering Tomography”, Nuclear Detection Showcase at AWE, Aldermaston, 29 January 2015.

Additional Conferences and Schools Attended

- “Non-equilibrium statistical physics and emergence in biological systems”, University of Manchester, 9 – 10 July 2015
- “Diffusion Fundamentals VI”, Technische Universität Dresden, Germany 23 – 26 August 2015

Teaching Assistant Experience (University of Edinburgh)

Jan – Mar 2016	Complex Analysis: Methods of Theoretical Physics (Honours)
Jan – Mar 2016	Quantum Mechanics (Honours)
Jan – Mar 2016	Symmetries of Quantum Mechanics (Honours)
Sept – Nov 2015	Lagrangian Dynamics (Honours)
Sept – Nov 2015	Linear Algebra and Several Variable Calculus (Prehonours)
Jan – Mar 2015	Physics of Fields and Matter (Prehonours)
Jan – Mar 2015	Symmetries of Classical Mechanics (Honours)
Sept – Nov 2014	Thermodynamics (Honours)

Awards

2014	NAG Prize	University of Manchester
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Competences

Computing: C++, Python, Mathematica, Java, MATLAB, L^AT_EX

Languages: Fluent English, and a little French and Russian

Music: Violin (Grade V), Piano (Grade V), Guitar