

Felix D. Priestley

School of Physics and Astronomy, Cardiff University
Queen's Buildings, The Parade, Cardiff CF24 3AA, UK
+44 (0)789 4413 787
priestleyf@cardiff.ac.uk

RESEARCH INTERESTS

- Hydrodynamical and astrochemical modelling of star formation
- Dust emission from supernovae and supernova remnants

EMPLOYMENT

Cardiff University, UK Post-doctoral research associate	Jul 2019 -
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University College London, UK Post-doctoral research assistant	Oct 2018 - Jun 2019
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EDUCATION

University College London, UK <i>PhD Astrophysics</i> Thesis Title: Molecule and dust emission at the beginnings and ends of stellar evolution Supervisor: Prof. Mike Barlow Awarded Dec 2018	Oct 2015 - Sep 2018
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University College London, UK <i>MSci Astrophysics, 1st Class</i> Dissertation Title: The effects of gravitational collapse on the chemical evolution of prestellar cores Supervisor: Prof. Serena Viti	Sep 2011 - Jun 2015
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PUBLICATION SUMMARY

Refereed articles: 16 (12 first author)
Total citations: 103, h-index 6

TECHNICAL SKILLS

Programming: Fortran 77/90/Modern (experienced), Python, Linux shell
Languages: English (native speaker), Spanish (intermediate)

TALKS & POSTERS

The Rise of Metals and Dust in Galaxies through Cosmic Time <i>Cold dust emission from the shocked material around supernova remnants</i>	Oct 2020
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Supernovae and dust tele-talk series <i>Dust survival in supernova remnants: an observational perspective</i>	Feb/Mar 2020
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EWASS 2019 <i>The survival of dust grains in the ejecta of core-collapse supernovae</i>	Jun 2019
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Supernova Remnants: An Odyssey in Space after Stellar Death II <i>The survivability of newly-formed dust grains in supernova remnants</i>	Jun 2019
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	Cardiff University <i>Molecular tracers of star formation mechanisms</i>	Apr 2019
	The Supernova-Supernova Remnant Connection <i>The pre- and post-shock dust mass in Cassiopeia A</i>	Jan 2019
	Cosmic dust: origin, applications & implications <i>The heating sources for the dust emission from Cassiopeia A</i>	Jun 2018
	The Hydride Toolbox <i>An investigation of the origin of the argonium emission from the Crab Nebula</i>	Dec 2016
	Supernova Remnants: An Odyssey in Space after Stellar Death <i>The origin of the argonium emission discovered in the Crab Nebula</i>	Jun 2016
AWARDS	Jon Darius Memorial Prize <i>Outstanding postgraduate research in Astrophysics</i>	2019
TEACHING	MSc research project supervisor Charles Yin (submitted as paper to MNRAS)	Jan 2020 -
	Demonstrator, University of London Observatory Assisted with undergraduate practical astronomy courses	Sep 2013 - Jun 2017
OBSERVING EXPERIENCE	Isaac Newton Telescope, La Palma 5 nights observing for UVEX/IPHAS survey	Aug 2017
COMMUNITY	Referee for ApJ	
	Seminar organiser, Cardiff Astronomy group	Jul 2019 -
OUTREACH	Royal Society Summer Science Exhibition JWST exhibit demonstrator	Jul 2018
	Cafe Scientifique Public talk: Cosmic Dust from Exploding Stars	May 2017
REFeree CONTACT INFORMATION	Prof. Anthony Whitworth School of Physics and Astronomy, Cardiff University Queens Buildings, The Parade, Cardiff CF24 3AA, UK anthony.whitworth@astro.cf.ac.uk	

Prof. Mike Barlow

Department of Physics and Astronomy, University College London
Gower Street, London, WC1E 6BT, UK
mjb@star.ucl.ac.uk

Dr. Ilse De Looze

Sterrenkundig Observatorium, Ghent University
Krijgslaan 281 - S9, 9000 Gent, Belgium
ilse.delooze@ugent.be

Prof. Serena Viti

Leiden Observatory, Leiden University
P.O. Box 9513, 2300 RA Leiden, The Netherlands
viti@strw.leidenuniv.nl