

Michael William Healy


He/Him

Postdoctoral Research Assistant in Classical & Recurrent Novae

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Nationality – British

EMPLOYMENT	Postdoctoral Research Assistant in Classical & Recurrent Novae LJMU Astrophysics Research Institute, Liverpool, UK	Sep 2021 – Present
EDUCATION	LJMU Astrophysics Research Institute, Liverpool, UK	
	<ul style="list-style-type: none">▪ Doctor of Philosophy in Astrophysics • Thesis: Novae, the Super-Remnant Phenomenon, and the Link to Type Ia Supernovae • Supervisors: Dr. Matthew Darnley, Dr. Christopher Copperwheat, Prof. Philip James	Oct 2017 – Sep 2021
	<ul style="list-style-type: none">▪ Master of Science in Astrophysics • Graduated with Distinction • Dissertation: Radial Velocity Variations in Long Period Subdwarf Binaries • Supervisor: Dr. Christopher Copperwheat	Sep 2015 – Oct 2016
	University of Liverpool, Liverpool, UK	
	<ul style="list-style-type: none">▪ Master of Mathematics with Honours in Mathematics • Graduated with First Class Honours • Dissertation: Relativistic Cosmology • Supervisor: Dr. Thomas Mohaupt	Sep 2011 – Jul 2015
JOURNAL PUBLICATIONS	<ul style="list-style-type: none">▪ Healy M. W., M. J. Darnley, É. J. Harvey, C. M. Copperwheat, P. A. James, T. Andersson and T. J. O’Brien, in preparation – <i>On the Observability of Recurrent Nova Super-Remnants</i>▪ Healy M. W., Darnley M. J., Copperwheat C. M., James P. A., Filippenko A. V., Henze M., Hestenes J. C., Page K. L., Williams S. C. and Zheng, W., 2019, MNRAS, 486, 433 – <i>AT 2017fvz: a nova in the dwarf irregular galaxy NGC 6822</i>▪ Darnley M. J., Hounsell R., O’Brien T. J., Henze M., Rodríguez-Gil P., Shafter A. W., Shara M. M., Vaytet N. M. H., Bode M. F., Ciardullo R., Davis B. D., Galera-Rosillo R., Harman D. J., Harvey E. J., Healy M. W., Ness J.-U., Ribeiro V. A. R. M. and Williams S. C., 2019, Nature, 565, 460-463 – <i>A Recurrent Nova Super-Remnant in the Andromeda Galaxy</i>	
CONFERENCES & TALKS	<ul style="list-style-type: none">▪ Contributed Talk, European Astronomical Society Annual Meeting 2022, Valencia, Spain▪ Invited Seminar Talk, University College London MSSL, UK (Virtual)▪ Contributed Talk, National Astronomy Meeting 2021, University of Bath, UK (Virtual)▪ Contributed Talk, National Astronomy Meeting 2019, University of Lancaster, UK▪ Research Summary Talk, UK Nova Group Meeting 2019, Jodrell Bank Observatory, UK▪ Invited Talk, The First ARI MSc Workshop, Liverpool, UK	Jun 2022 Oct 2021 Jul 2021 Jul 2019 Apr 2019 Nov 2017
PROFESSIONAL ACTIVITIES	<i>Reviewing Responsibilities</i> <ul style="list-style-type: none">▪ Internal panel member for the Liverpool Telescope Time Allocation Group <i>Departmental Responsibilities</i> <ul style="list-style-type: none">▪ PDRA representative at Equality, Diversity & Inclusion meetings▪ PDRA representative at Departmental Management Board meetings	Apr 2022 – Apr 2022 – Apr 2022 –
TEACHING EXPERIENCE	<ul style="list-style-type: none">▪ Tutor in PHYS207: Mathematics for Physicists III▪ Postgraduate Teaching Assistant in PHYS394: Practical Astrophysics II▪ Postgraduate Teaching Assistant in PHYS216: Practical Astrophysics▪ Postgraduate Teaching Assistant in PHYS155: Working with Astrophysics	Oct 2021 – Dec 2021 Oct 2019 – Dec 2019 Nov 2018 – Mar 2019 Feb 2018 – Mar 2018

AWARDS & SCHOLARSHIPS	<ul style="list-style-type: none"> ▪ Adult MHFA Half Day Certificate of Attendance, MHFA England Dec 2018 Course provided an introduction to mental health and the factors that can affect people's wellbeing ▪ Science and Technology Facilities Council PhD Studentship 2017 – 2021 Funding for postgraduate research ▪ Liverpool John Moores University Faculty of Engineering and Technology Studentship 2017 – 2021 Funding for postgraduate research ▪ JG Oldroyd Prize, University of Liverpool Jul 2015 For special merits in the examinations in Applied Mathematics and Theoretical Physics
OBSERVING TIME	<ul style="list-style-type: none"> ▪ Awarded 42 hours with Liverpool Telescope as Principal Investigator. ▪ Awarded 7 hours with Faulkes Telescope South as Principal Investigator. ▪ Awarded 6 ks with <i>Swift</i>. ▪ Awarded 17 orbits with <i>Hubble Space Telescope</i> as Co-Investigator.
PROFESSIONAL AFFILIATIONS	<ul style="list-style-type: none"> ▪ Junior Member of the International Astronomical Union 2022 – Present ▪ Associate Fellow of The Higher Education Academy 2018 – Present ▪ Honorary Lecturer of the University of Liverpool 2018 – 2021 ▪ Fellow of The Royal Astronomical Society 2017 – Present
OUTREACH	<ul style="list-style-type: none"> ▪ Invited Guest Talk, My Online Schooling (Virtual) Nov 2021
SKILLS	<p>LaTeX, Python, Fortran (Novice), HTML (Novice), Starlink packages, PyRAF, Microsoft Office</p>
LANGUAGES	<p><i>English</i>: Native language. <i>German</i>: Basic.</p>
ACADEMIC REFEREES	<ul style="list-style-type: none"> ▪ Prof. Matthew Darnley Head of Astrophysics Teaching · Professor of Time Domain Astrophysics LJMU Astrophysics Research Institute 146 Brownlow Hill, Liverpool, L3 5RF, UK Email: M.J.Darnley@ljmu.ac.uk ▪ Prof. Philip James Head of Institute · Professor of Extragalactic Astrophysics LJMU Astrophysics Research Institute 146 Brownlow Hill, Liverpool, L3 5RF, UK Email: P.A.James@ljmu.ac.uk ▪ Dr. Christopher Copperwheat Reader in Time Domain Astrophysics · Liverpool Telescope Astronomer in Charge LJMU Astrophysics Research Institute 146 Brownlow Hill, Liverpool, L3 5RF, UK Email: C.M.Copperwheat@ljmu.ac.uk ▪ Prof. Michael Shara Curator, Department of Astrophysics, American Museum of Natural History Adjunct Professor of Astrophysics at Columbia University Honorary Professor, Chemistry at Queen's University Belfast American Museum of Natural History/Astrophysics Central Park West at 79th Street, New York, NY 10024, USA Email: mshara@amnh.org