

SAMANTHA YOULES

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I am a third year PhD student, investigating the potential of weak lensing with Lyman-alpha forest surveys in order to probe the distribution of dark matter at redshifts of $0.7 < z < 1.0$.

EDUCATION

2017-Now	Institute of Cosmology & Gravitation Doctor of Philosophy Candidate Thesis : Weak lensing with Lyman-alpha forest surveys Supervisors : Dr Julian Bautista, Prof David Bacon, Prof Will Percival
2014-2017	Royal Holloway, University of London, BSc Astrophysics 1st Class Hons

AWARDS & GRANTS

2014	Principal's Excellence Scholarship	£3000
2018	DESI Travel Grant	\$488
2019	SDSS Early Career Researcher Travel Grant	\$535

TEACHING AND MARKING

2004-2008	Tutoring IGCSE Mathematics GSCE English, History, Geography ICT including HTML
2018	Undergraduate exam marking 2nd Year 'Stars, Galaxies and The Universe'
2019	Undergraduate coursework marking 3rd Year Astrophysics : critical review essays

OUTREACH AND VOLUNTEERING

07/2015	Student Ambassador	Royal Holloway
12/2017	Meet a Physicist participant	University of Portsmouth
01/2018	Stargazing Live demonstrator	ICG and Portsmouth Historic Dockyard
12/2018	Meet a Physicist participant	University of Portsmouth
01/2019	Stargazing Live demonstrator	ICG and Portsmouth Historic Dockyard
03/2019	Meet a Female Physicist participant	Portsmouth Academy

SCHOOLS, CONFERENCES & WORKSHOPS

08/2017	Introductory Summer School in Astronomy	STFC, University of Manchester
02/2018	eBOSS Collaboration Meeting	MPI Garching
2018	GPROF Workshops : teaching for PhDs	University of Portsmouth
03/2018	From Micrometres to Megaparsecs	University of Southampton
07/2018	Summer School on Large-Scale Structure	MPA Berlin
09/2018	Data Analysis Workshop	ICIC Imperial College, London
02/2018	DESI Collaboration Meeting	Barcelona
12/2018	eBOSS Collaboration Meeting	Paris
04/2019	A History of the Universe in Redshift	University of Southampton
07/2018	DESI Collaboration Meeting	Berkeley

TALKS

General

02/2018	The short life & violent death of a massive star	University of Portsmouth
02/2018	Analysing outliers in Lyman-alpha forests	MPI Garching

Weak lensing with Lyman-alpha forests

06/2018	Journal Club	University of Portsmouth
07/2018	South Coast Cosmology Conference	University of Sussex
10/2018	DESI meeting	Barcelona
11/2018	Seminar	University of Portsmouth
12/2018	eBOSS meeting	Paris
05/2019	Joint eBOSS-DESI meeting	Saclay, Paris
07/2019	DESI meeting	Berkeley

ACTIVITIES

- 2019 Member of organising committee for a SEPNet student-led conference, 'A History of the Universe in Red-shift' at the University of Southampton. Chaired the session on 'First Light'.
- 2019 Student representative on the departmental committee for Athena SWAN Charter award application for gender equality.

SKILLS

Codes	Python, C++, HTML
Tools	\LaTeX , Office (Word, Excel, PowerPoint)

REFERENCES

Available on request