

SAMANTHA YOUNES

PhD Candidate | Institute of Cosmology & Gravitation
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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

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

TEACHING AND MARKING

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| 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
1st Year Mathematical Physics |

OUTREACH AND VOLUNTEERING

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| 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 Redshift' 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