





ADAM LISTER

CURRICULUM VITAE

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RESEARCH INTERESTS

Neutrino Physics · Neutrino Interactions · Neutrino Oscillations · Sterile Neutrino Searches · LArTPC R&D · Detector Calibration

ACADEMIC POSITIONS

2019–present | **Postdoctoral Research Associate, University of Wisconsin - Madison.**

EDUCATION

- 2015–2019 | **PhD Experimental Particle Physics, Lancaster University.**
Thesis Title: Constraint of Systematic Uncertainties in an Electron Neutrino Search Using Muon Neutrinos at MicroBooNE
Advisors: Dr Andrew Blake, Dr Jaroslaw Nowak
- 2013–2014 | **MSc Particles, Strings and Cosmology, Durham University.**
Thesis Title: Neutrino Oscillations in Long Baseline Experiments
Advisor: Prof. Silvia Pascoli
- 2010–2013 | **BSc Astrophysics (1st class), Aberystwyth University.**

AWARDS

- 2019 | **Lancaster University Department Prize**
- 2018 | **Fermilab Neutrino Physics Center Fellowship**
- 2017 | **Poster Prize, Fermilab Users' Meeting**

PRESENTATIONS

- 2018 University of Wisconsin — Madison seminar, MicroBooNE and the Path to Resolving the MiniBooNE Low-Energy Excess
- 2018 IOP HEPP and APP Meeting parallel session, Measuring Electron Diffusion in MicroBooNE
- 2017 Fermilab Users' Meeting Poster, Towards a Longitudinal Electron Diffusion Measurement in MicroBooNE
- 2016 Neutrino 2016 Poster, Measurements of Muon Neutrino Charged-Current Interactions by the MicroBooNE Experiment

PUBLIC OUTREACH

- 2018 Saturday Morning Physics On-Site Coordinator
- 2018 MicroBooNE Tour Guide
- 2018 "Particle Physics in the US", Lancaster University Physics Masterclass
- 2017 LAr and High Voltage Station, Fermilab Open House
- 2016 Particle Physics Masterclass, Lancaster University Physics Masterclass
- 2015-2016 Special Relativity Workshop, Lancaster University Physics Masterclass