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.**

LEADERSHIP POSITIONS

2020-present | **NOvA Production Convener**

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 Uninversity 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

SELECT PUBLICATIONS

- MicroBooNE collaboration, *Measurement of the Longitudinal Diffusion of Ionization Electrons in the MicroBooNE Detector*, 2104.06551.
- MicroBooNE collaboration, *Measurement of differential cross sections for ν_μ -Ar charged-current interactions with protons and no pions in the final state with the MicroBooNE detector*, *Phys. Rev. D* **102** (2020) 112013 [2010.02390].
- DUNE collaboration, *Deep Underground Neutrino Experiment (DUNE), Far Detector Technical Design Report, Volume IV: Far Detector Single-phase Technology*, *JINST* **15** (2020) T08010 [2002.03010].