



# Inaugural Annual Workshop

Nov. 2020

:: Introduction ::

## Jayden Newstead

Trajectory:

2010-2011 – MSc, Monash University

2011-2016 – PhD, Arizona State University

2016-2019 – Postdoc, Arizona State University

2019 – Postdoc, Purdue University

*2020 – Postdoc, CDM University of Melbourne*



# Interests

## Dark matter direct detection

- Effective field theories
- Inference problems
- Xenon TPC details
- Cosmic-ray dark matter
- The Migdal effect
- Neutrino backgrounds

## Neutrinos

- BSM physics
- Coherent scattering
- Nuclear reactors
- MINER experiment

