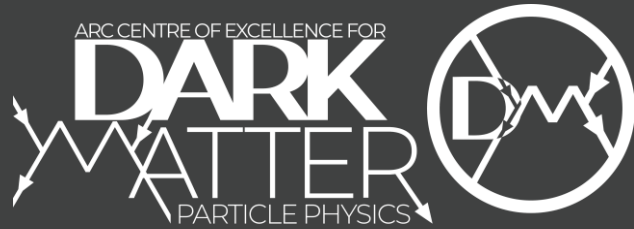


Inaugural Annual Workshop

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

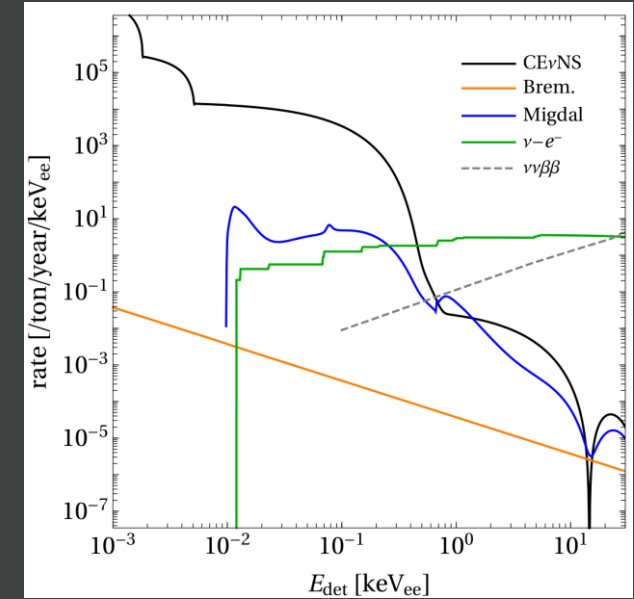
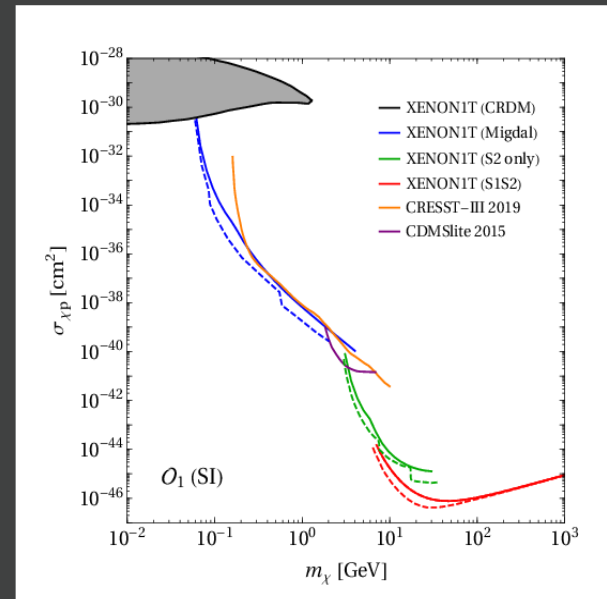
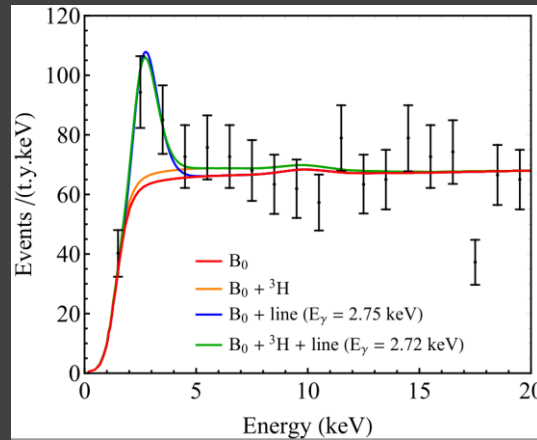
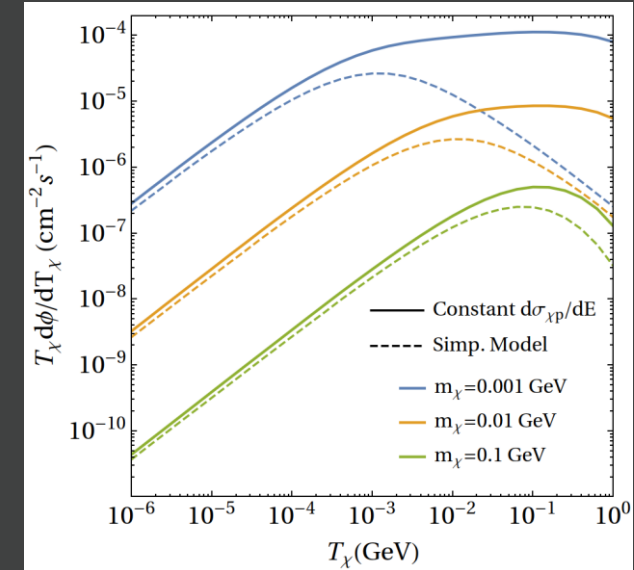
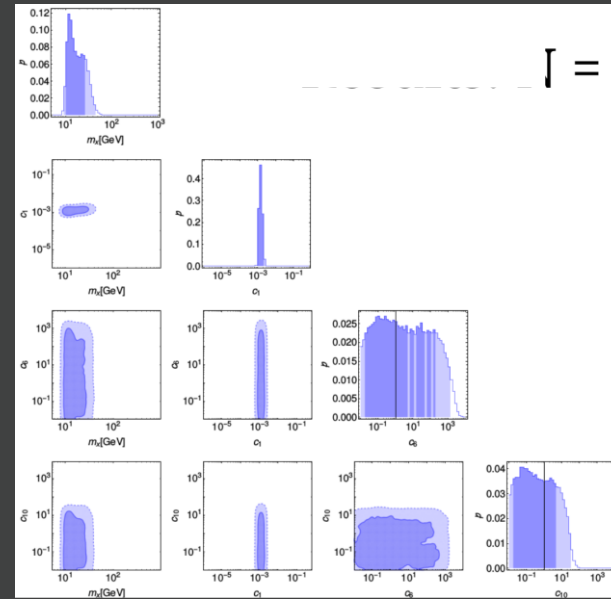
2020 – Postdoc, CDMPP, University of Melbourne



Interests

Dark matter direct detection

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



Interests

Neutrinos

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

