24th Australian Institute of Physics Congress



Contribution ID: 581 Type: Talk (preferred)

Development of a prototype direction sensitive dark matter detector

Friday 16 December 2022 09:30 (15 minutes)

Direction sensitive detectors are a potential solution to continue the dark matter search into the neutrino fog. The CYGNUS-1 detector is a prototype Time Projection Chamber developed at ANU, to inform future large scale directional dark matter searches.

Primary author: MCKIE, Lachlan (Australian National University)

Co-authors: DASTGIRI, Ferdos; Prof. LANE, Gregory (Australian National University); Dr BIGNELL, Lind-

sey; MCNAMARA, Peter Charles; Dr SLAVKOVSKA, Zuzana (ANU)

Presenter: MCKIE, Lachlan (Australian National University)

Session Classification: AIP: Group for Astroparticle Physics / Astronomy

Track Classification: AIP Congress: AIP: Group for Astroparticle Physics