## 24th Australian Institute of Physics Congress



Contribution ID: 55 Type: Talk (preferred)

## Testing atomic QED theory via a tuneout wavelength and transition measurements using a metastable helium Bose-Einstein condensate

Tuesday 13 December 2022 15:00 (15 minutes)

This presentation will cover a number of atomic energy level measurements involving ultracold metastable helium atoms, including using a tuneout wavelength to probe atomic QED theory.

Author: HODGMAN, Sean

**Co-authors:** Mr HENSON, Bryce; ROSS, Jacob; THOMAS, Kieran; KUHN, Carlos; SHIN, David; ZHANG, Yong-Hui; TANG, Li-Yan; DRAKE, Gordon; BONDY, Aaron; COCKS, Danny; BALDWIN, Kenneth; TRUSCOTT, Andrew

Presenter: HODGMAN, Sean

Session Classification: AIP: Atomic and Molecular Physics

Track Classification: AIP Congress: AIP: Atomic and Molecular Physics