Abstract Submitted
for the DAMOP20 Meeting of
The American Physical Society

Precision spectroscopy in neutral beryllium-9¹ ERYN COOK, MOLLY HERZOG, ESTHER KERNS, CHELSEA PEREZ, WILLIAM WILLIAMS, Smith College — Four-electron systems are the current testing ground for many advanced theoretical models and also tests of quantum electrodynamics. In this talk, we will present our current progress on updated experimental measurements for a variety of energy levels in neutral beryllium-9, compare them to current theoretical predictions, and motivate future theoretical calculations to compare to these experimental results.

¹The authors acknowledge support from NSF PHY-1428112 (MRI); NSF PHY-1555232 (CAREER).

Eryn Cook
Smith Coll

Date submitted: 31 Jan 2020          Electronic form version 1.4