

Abstract Submitted
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Precision spectroscopy in neutral beryllium-9¹ ERYN COOK, LUCY LIN, ESTHER KERNS, CHELSEA PEREZ, WILL WILLIAMS, Smith College — We report on spectroscopic measurement progress for a variety of states in neutral beryllium-9. We are exploring resonantly-enhanced two-photon spectroscopy for improved absolute frequency determination of the $2s2p^1P_1$ and $2s3d^1D_2$ states. Progress toward combination optical / ionization spectroscopy for improved measurement of the absolute frequency of the $2s2p^3P_1$ state and the ionization threshold will also be presented.

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