Abstract Submitted
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^{25}Na studied in the ^{9}Be(^{18}O,pn) reaction[1] J.M. VONMOSS, S.L. TABOR, VANDANA TRIPATHI, P.C. BENDER[2], A. VOLYA, Florida State University — ^{25}Na was produced via the ^{9}Be(^{18}O,pn) reaction which favored the production of higher spin states. Three new states have been discovered as well as ten new gamma rays and a doublet of states has been resolved through high resolution gamma ray spectroscopy. Observed states have been analyzed using the Doppler shift attenuation method and angular distributions of the gamma decays have been measured leading to new spin assignments. Experimental results have been compared to theoretical results from the Cosmo shell-model code.

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