Abstract Submitted
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Spectroscopy of ^{47}Sc and ^{48}Sc through fusion evaporation PETER DEROSA, University of Massachusetts, Lowell — Excited states in in $47, 48$Sc have been populated following the fusion-evaporation of ^{14}C at 36 MeV impinged on a thin ^{36}S target with a Ag backing at the John D. Fox Superconducting Laboratory at Florida State University. The evaporation channels were selected with a zero degree particle telescope while emitted gamma radiation was detected with a mixed array of Clover and single coaxial HPGe detectors. The observed level schemes of both 47,48Sc will be presented from coincident data. Preliminary angular distributions of observed states will also be presented. Results will be discussed and contrasted against single particle shell model results.

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