

Abstract Submitted  
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**TUNL activities at the Kimballton Underground Research Facility** HENNING OLLING BACK, North Carolina State University, ARTHUR CHAMPAGNE, REYCO HENNING, PADRAIC FINNERTY, University of North Carolina, WERNER TORNOW, MARY KIDD, JAMES ESTERLINE, Duke University — The Triangle Universities Nuclear Laboratory (TUNL) has taken a large role in the nuclear physics research performed underground at the Kimballton Underground Research Facility operated by Virginia Tech near its campus. Currently two TUNL efforts are underway at Kimballton: 1) double-beta decay/double electron capture experiments to excited final states, which employ high purity germanium detectors to search for signature gammas from the decay of the excited final state and 2) a material assay program that will determine radioactive contamination in detector materials through gamma ray spectroscopy. In this talk I will present the current status of the Kimballton Underground Research Facility and the TUNL activities located there.

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