Abstract Submitted
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Kimballton Underground Research Facility STEVEN DEREK ROUNTREE, Virginia Tech — The Kimballton Underground Research Facility (KURF) is an operating deep underground research facility with six active projects, and greater than 50 trained researchers. KURF is 30 minutes from the Virginia Tech (VT) campus in an operating limestone mine with drive-in access (eg: roll-back truck, motor coach), over 50 miles of drifts (all 40' x 20+'; the current lab is 35' x 22' x 100'), and 1700' of overburden (1450m.w.e.). The laboratory was built in 2007 and offers fiber optic internet, LN2, 480/220/110 V power, ample water, filtered air, 55 F constant temp, low Rn levels, low rock background activity, and a muon flux of only $\sim$0.004 muons per square meter, per second, per steradian. The current users are funded by NSF, DOE, and NNSA. Current user group: 1) mini-LENS (VT, Louisiana State University, BNL); 2) Double Beta Decay to Excited States (Duke University); 3) HPGe Low-Background Screening (University of North Carolina (UNC), VT); 4) MALBEK (UNC); 5&6) Watchman – 5) Radionuclide Detector and 6) MARS detector (LLNL, SNL, UC-Davis, UC-Berkeley, UH, Hawaii Pacific, UC-Irvine, VT)

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