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**LENS Prototyping Status Report**<sup>1</sup> S. DEREK ROUNTREE, Virginia Tech, LENS COLLABORATION — The LENS collaboration's goal is the construction of a low energy neutrino spectrometer (LENS) that will measure the entire solar neutrino spectrum above 114keV. In an effort to reach this goal we have developed a two phase prototype program. The first of these is microLENS, a small prototype to study the light transmission in the as built LENS scintillation lattice—a novel detector method of high segmentation in a large liquid scintillator detector. The microLENS prototype is currently being finished and deployed at the Kimballton Underground Research Facility (KURF) near Virginia Tech. This prototype will be the main topic of this talk. I will discuss the methods and schemes of the program during the first phases of running with minimal channels instrumented (~41 compared to full coverage 216). After construction of the microLENS prototype running shortly thereafter.

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