

Abstract Submitted
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Calibration of a Antineutrino Detector for the Monitoring of a CANDU Reactor NICHOLAS WALSH, R. SVOBODA, UC Davis, A. BERNSTEIN, N. BOWDEN, T. CLASSEN, LLNL, B. CABRERA-PALMER, L. KOGLER, D. REYNA, Sandia National Laboratory, G. JONKMANS, B. SUR, Atomic Energy of Canada Limited — Detecting antineutrinos emitted from nuclear reactors has been previously demonstrated as a monitor of fuel content and usage. The continuous fuel cycle of a CANDU on-load reactor presents a unique challenge for monitoring. We present the calibration and characterization of a detector designed for this task. The detector will be deployed Fall 2012 at Point Lepreau Generating Station.

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