



PHYSICS AND ASTRONOMY SEMINAR

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“The DEAP 3600 Detector: Looking for WIMP Dark Matter with Liquid Argon”

Abstract

DEAP 3600 consists of 3600 kg of liquid argon, with an ultrapure acrylic containment and situated in the SNOLAB facility in Sudbury, Ontario. The detector is designed to be sensitive to WIMP dark matter at about the 10^{-46} cm² level; an order of magnitude better than the best current limits. The detector is now being cooled and will soon be filled. I will describe the design and construction and the early calibration data from the detector.

Friday, April 1, 2016
3:00 p.m.
Elliott Building
Room 062