

Abstract Submitted
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The DEAP-1 Experiment at SNOLAB CHRIS JILLINGS, SNOLAB, DEAP-CLEAN COLLABORATION — DEAP-1 is a 7-kg liquid-argon dark matter detector which will be deployed in SNOLAB early in 2007. DEAP-1 uses pulse-shape discrimination to separate nuclear-recoil events from electromagnetic events and is part of a staged program to construct a one-tonne scale detector. With two live years we have a projected sensitivity to WIMP dark-matter of 10^{-44} cm². DEAP-1 . SNOLAB has 6010 meters water equivalent flat overburden reducing muon rates to 0.27 m⁻²day⁻¹. The design and construction of the detector and control of backgrounds will be presented.

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