

2012 LEPP JOURNAL CLUB

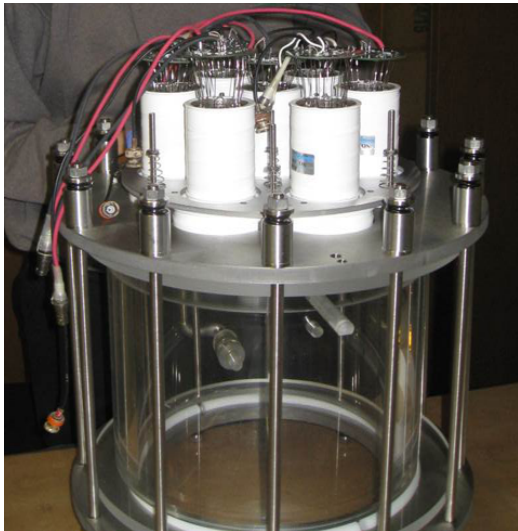
Alexander Wright

Princeton University



The DarkSide Dark Matter Program

DarkSide is a direct detection dark matter program based on two-phase argon time projection chambers using argon collected from underground sources. In my talk I will describe the DarkSide approach to the dark matter search and present results from DarkSide-10, a 10kg prototype detector that is currently being operated at LNGS, and a recent measurement of the Ar-39 activity in underground argon.



I will also briefly describe a recent initiative to directly test the observation by the DAMA/LIBRA experiment of an annual modulation in the rate of very low energy events in an array of NaI crystals.

Tuesday, March 13, 12:15pm

401 Physical Sciences Building

(Refreshments 12:00pm)

