

LEPP JOURNAL CLUB

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MIT



Surface Commissioning of the DMTPC 4-Shooter Directional Dark Matter Detector Prototype

Directional detection could provide an unambiguous observation of dark matter due to the directional anisotropy of dark matter particles in the galaxy. The Dark Matter Time Projection Chamber (DMTPC) collaboration is developing TPCs with optical readout whose goal is the detection of the sense and direction of elastic recoils generated by dark matter interactions. This talk will discuss the surface commissioning of a new detector at MIT that will soon be deployed in the DMTPC underground laboratory at the Waste Isolation Pilot Plant facility in New Mexico.



SPECIAL
DAY/TIME

Thursday

March 7, 3:00pm

301 Physical Sciences Building

(Refreshments, 2:45pm)