



Poster session 3 – Wednesday 6 July

P3.012 The DUNE 35-ton LArTPC prototype: Data analysis and detector performance

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The Deep Underground Neutrino Experiment will employ a multi-kTon Liquid Argon Time Projection Chamber (LArTPC) as its far detector located at the Homestake mine in South Dakota. In order to test the many new design elements that will be required, a 35-ton LArTPC prototype has been constructed and operated at Fermilab. A cosmic ray data-taking run has recently been concluded and the analysis of the data has begun. This poster will present preliminary results from the analysis of that data. Topics include tracking performance and the study of the gaps between detector modules.