

Review of LArIAT (T-1034)
Snakepit, 20th December, 2012

CHARGE

The Liquid Argon TPC in A Test beam (LArIAT) collaboration proposes to install and operate a LAr TPC in a new test beam at MCenter. LArIAT is being proposed as a two-phase program, with the first phase using the existing ArgoNeuT cryostat and TPC. The first phase will inform the design of the second phase. It is important that the Liquid Argon TPC test beam program (i) is well motivated, (ii) is an integral part of the overall LAr R&D program within the U.S. and at the laboratory, and (iii) that its scope is matched to available resources.

We would like the committee to focus on Phase 1 of LArIAT and address the following:

1. Are the goals well defined, attainable, and worthwhile?
2. Is the technical approach for beam and experiment sound?
3. Are the collaboration and laboratory resources needed to succeed with LArIAT well understood, and are the requested resources adequate?
4. Are the cost and schedule risks well identified, and what are they?

We would like a brief written report addressing these points by January 14th, 2013.