

Comments on “Report from the LAr Review”
R. Plunkett 2/9/2009

A review of this type is always an opportunity for the people working on items under review to better understand the status of what is being done and the prospects of its accomplishment. For this reason I am very appreciative for the work done by the review committee. I would like to use this opportunity to comment further on some of the points made by the committee.

The committee recommends a study of slow convective fluid motion in the LAPD. This is an attractive goal but was presented by me along the lines of “possible additional measurements”. The best technique and strategies for achieving this measurement need to be well-understood, but we must also be careful not to delay the main thrust of the prototype, namely understanding scaling of smaller laboratory-scale measurements of purification to field conditions. In particular, using temperature measurements to compare with calculations is probably the first approach to this problem, and will present its own challenges.

Location of the system in an area not immediately needed by others is a principal recommendation of the report and is entirely in accordance with our plans. Currently, a number of locations are being investigated. Likewise, the comment about measurement of purity in several positions in the tank is gives support to our current planning and is much appreciated.

It would be useful to emphasize the close relationship between the current and future program at PAB and the LAPD. LAPD will rely very heavily on hardware development by this group.

The committee recommends that more scientists become involved with this project. This is a very useful recommendation and should be encouraged. I believe that the provision of adequate engineering resources is equally or more important, and will facilitate encouraging physicist involvement as well.