

- D1 The off-axis beam approaches considered in the US are based on a detector technology that is to be deployed on or near the earth's surface. An ability to acquire data at a high rate, an ability to process the large volume of data originating from cosmic rays, and an ability to reject background to neutrino oscillation induced by cosmic rays or their secondary products must be demonstrated for this detector technology to be feasible for an experiment sited near the earth's surface. Water Cherenkov detectors do not satisfy this criterion; it remains to be demonstrated that liquid argon time projection chambers do.
- D2 The wide-band beam approach could be implemented with the established water Cherenkov detector technology or with a liquid argon detector, if that technology proves successful. Water Cherenkov detectors must be deployed underground for the cosmic ray event rate to be manageable. If liquid argon is deployed underground, there are additional cost and safety issues that are presently not addressed.