

## Needed R&D Efforts

- ❑ Understand the proposed technology to make sure we can meet the design goals.
- ❑ Reduce the overall cost of the detector by better understanding of the exact technical needs.

**Barrel Calorimeter**: How far can we push timing beyond 250ps?  
Do we need sci-fibers? (Big Cost Savings)

**Cherenkov Detector**: Need to develop one module of the high pressure system to understand the problems.

**Strawtube CDC**: Understand how to do  $dE/dx$  in the chamber.  
Optimize the straw size to minimize wires.  
Minimize material in the tracking volume