

Hall-D Software: Areas of greatest concern

must have

1. Calibration
 - Code to generate constants
 - Code to implement constants
2. Details of mechanism by which mini-DSTs of simulated data and real data are brought to the same site for Amplitude Analysis
3. Manpower
 - appears to be sufficient, but could be absorbed by other projects if a need arises

should have

4. Tracking enhancements
 - efficiency optimization
 - error estimation
5. Calorimetry reconstruction enhancements
 - Shallow angle photons in BCAL
 - Dark hits in SiPMs
6. No Legacy 3rd party software dependencies that lack long-term support
 - GEANT3/CERNLIB
 - XERCES 2.8
7. Documentation
 - Maintaining organization is challenging