Hall-D Software: Areas of greatest concern

must haves

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 Physics Analysis

3. Manpower
   - appears to be sufficient, but could be absorbed by other projects if a need arises

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should haves

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

* Items 1 and 2 are in relatively early stages of development. They are considered higher risk at the moment due to lack of completed work so far.