

Forward Cal

- Critical R&D
 - Rad. hard BeamCal sensor development
 - UC Santa Cruz has rad. hard Silicon sensor R&D.
 - SLAC LDRD proposal to develop diamond sensor
 - BeamCal front end electronics development
- R&D Milestones
 - Prototype LumiCal 1 petal
 - Single electron response
 - Geometry calibration
 - Prototype BeamCal 1 petal
 - Radiation hardness test
 - Single electron response
 - Response to showering electrons

Issues to be resolved by 2012

- LumiCal
 - Mechanical design
 - Readout design
 - Alignment verification/measurement
- BeamCal
 - Mechanical design
 - Readout design
- W Mask
 - Mechanical support with BeamCal and LumiCal
- Global FCAL
 - System integration and servicing
 - BeamPipe
 - Vibration