Barrel HCal TDR Planning

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Barrel HCal TDR planning

- Detector design
 - Overview
 - Detector requirements
 - Radiation requirements
 - Test beam/sPHENIX results
- Performance
 - Single particle studies w/ and w/o other material
 - Clusterization (merging)
 - Full event reconstruction
 - Jet performance?
- Mechanics
 - Internal module structure
 - Stacking
 - Seismic and load deformation studies
 - Scintillator performance

- Read-out (same as LFHCal, should be common section)
 - SiPM boards
 - Transfer boards
 - Summing stage
 - FEB
- Cooling (no cooling in sPHENIX; same?)
 - Heat load simulations
 - Colling system not needed
- Monitoring system
 - LED system
 - Temperature monitoring
- Integration (common section?)
 - "from previous work" "ready to write up" "partially ready to write up" "lots to do"