## **HRS** Restoration

**SBS Preparation Review** 

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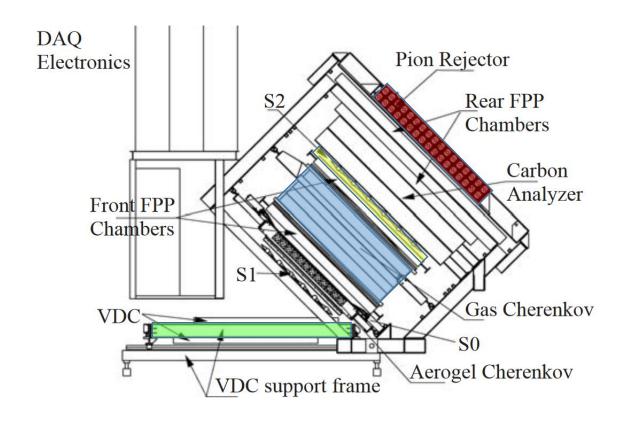
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## Requirements

- LHRS will be used for calibration of neutron detection in HCal
- Measuring  $\gamma(p,\pi^+n)$  at photon endpoint from radiator
- LHRS requires
  - Tracking VDCs
  - Timing s2m
  - PID Gas Cherenkov
  - Showers
- Six measurements
  - 4.4 GeV
  - Two near 40.5°, four near 64.3°
  - HRS will be trigger



## PREX-II/CREX Configuration

- Detectors will be removed from LHRS for PREX-II/CREX
- NOT being removed from LHRS are
  - VDCs
  - Analyzer and FPPs
- To be restored
  - Gas Cherenkov
  - s2m
  - Pion rejector



## Required Work

- After CREX, missing detectors will have to be reloaded in frame
- Restoration of HRS DAQ
- Trigger logic defined and implemented
- Recabling of channels and cosmics checkout