CRP6 Coldbox First Results

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Current Issues

- **FEMB18** had an issue with 25% of I2C writes to one ColdADC failing. **Replaced** before coldbox run began.
- One COLDATA on FEMB3 apparently requires short-cable line-driver settings
 - Corrupted data frequently shows up otherwise, as judged by CRC checksum flags and by the nonsensical ADC values
- **FEMB10** has an issue with its power lines, starting sometime during the purge. **Currently disable.**
 - The DC/DC modules for that FEMB on the WIB read 4 V but near 0 A when powered on
- **FEMB12** has a disrupted clock or I2C line, starting sometime during the cooldown. **Currently disabled.**
 - It can be powered and draws reasonable amounts of current, but all I2C read/writes to it fail
- **FEMB2** has some issue with SPI communications to its LArASICs, starting sometime during the cooldown. **Currently disabled.**
 - Further investigation still planned



3

CRP6 Coldbox Noise Performance





CRP6 / CRP4 Comparison



CRP4/6 Noise Performances in LAr Coldbox



CRP6 Noise





Channels with Broken Connections



2nd Induction Plane