CTB CDB Interfaces:

RHM 9/4/98

- **VME**

- Standard P1 and P2 backplanes, P3 for I/O to DSM via back of the crate card.
- Back of crate card (Detector Interface Board -DIB) modeled after DSMI for pinouts, drivers, receivers, etc.
- DIB includes input from TCD for RHIC strobe and LED special trigger

- **Inputs**

- 16 channels from PMTs via RG58, patch panel and front panel lemo connectors.
- PMT provides 100mV nominal MIP signal level at end of 100 ft RG58 into 50 ohms.
- RHIC strobe and LED special trigger from dedicated TCD, multidrop cabling, STAR standard drivers and receivers for clocks and triggers, trigger on custom clock line.

- **Outputs**

- 16 each 8 bit word on RHIC strobe to DSM via DIB, combined into 8 16 bit cables at DIB to match DSM.
- 16 each PMT monitor test points on front panel and 16 each Integrator gate signals on front panel combined in header thru front panel.
- 16 each ECL discriminator monitor bits on P2 VME to DIB for future use.
- 16 LED driver lines, 0-5Vdc level , front panel lemo connectors.
- LED_FLAG to DSM to indicate special trigger event in process. Via DIB