ATLAS MDT Electronics
On-Chamber CSM Adapter

• Proposed Features:
  – Mounts on CSM Motherboard just like the final CSM
  – Allows chamber testing with production mezz cards and cabling
  – Automatic JTAG Daisy-chain to mezz cards
  – LVDS repeaters on TDC signals

• Status/Schedule
  – Can start design immediately
  – (Could be) Ready in time for spring test beam
On-Chamber CSM Adapter
Proposed Block Diagram

- JTAG In (LVDS) From CSM-0
- JTAG Out (LVDS) To CSM-0
- RJ-45 JTAG In
- RJ-45 JTAG Out
- RJ-45 TDC 1
- RJ-45 TDC 2
- FPGA JTAG Daisy-Chain Switch
- LVDS Repeater to CSM Motherboard
On-Chamber CSM Adapter
Mechanical Layout