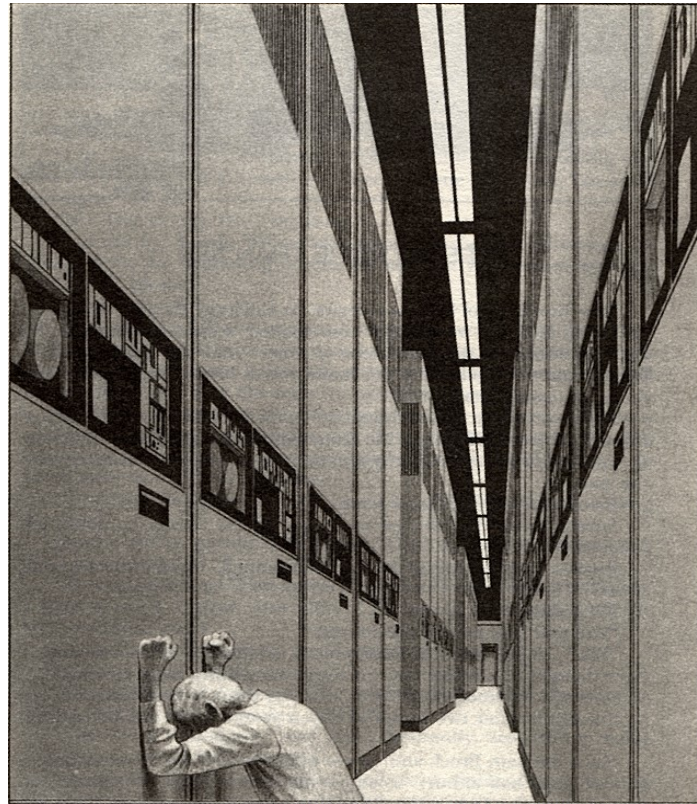


Self Configuring Readout Lists



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Purpose

- Eliminate multiple readout source:
 - For separate crates
 - For different crate configurations
(e.g. All FADCs, Mixed FADCs and F1TDCs)
- Store crate info in central location
 - Use info for data replay (disentangling)
 - Use additional info for module configuration



Plan

@ Controller boot:

- Execute an init.d/runlevel script.
 - Scan through A24 VME Space (0xNN0000)
 - Modules located when scan does not result in BERR
 - Modules identified using specific registers containing
 - Module ID
 - Firmware Version
 - Communicate this info to central location
 - Create specific XML file ?
 - ??SQL Server ?
 - Perform module specific initialization
(if necessary, for non-CODA processes)



Plan

@ CODA “download”

- Use central server to determine crate configuration
 - Communication using cMsg?
 - Determine:
 - Which modules to use..
 - Module specific configuration



Plan

@ CODA “end”

- Communicate to conditions database
 - Any present ERROR conditions:
 - Crate
 - Controller
 - Modules

