

DAQ Workplan: Introduction

Timescale:

need something for ROD – 6 months

prototype of final DAQ – 18 months

Minimal configuration for ROD tests:

n * DSS

n * ROD

TCM or TTCvi

VICs?

possibly other phase II modules?

DAQ Evolution: Use of Atlas DAQ-1

Try moving existing DAQ code to Linux
– NB only draft real time Posix code?

VME Access: PCI-VME interface (or net+Lynx)

Try replacing EMU with MRS/IS

Design database:

- configuration: crates, modules
- parameters: run type, modules, etc

Implement & populate database with OKS

Provide GUI to dynamically control DB...

Run Control (RC) skeleton for daqprod etc

Provide C++ objects for ROD, DSS, TTCvi...

Use these to write new daqprod

Same event format $\Rightarrow$ still use daqana?

Software Workplan

New DAQ for ROD and other prototypes
– 6–18 months

New diagnostics: agree with Cornelius
– 6–18 months

Both should use same low level code?

Calibration software
– 18 months?

Monitoring software
– 18 months?