Online Status

30-Jul-98

Stu Fuess

- ***List of Sub-projects***
- ***Personal view of status***

Sub-projects

- ***Hardware systems***
  - ***Stu Fuess***
- ***Control & Monitoring***
  - ***Fritz Bartlett***
- ***Trigger system interfaces***
  - ***Gordon Watts***
- ***Configuration and Run Control***
  - ***Scott Snyder***
- ***Data Logger***
  - ***Lars Rasmussen***
- ***Calibration***
  - ***Iain Bertram***
- ***Event Monitoring***
  - ***(vacant)***
- ***DAQ Monitoring***
  - ***(vacant)***
- ***Accelerator Interface***
  - ***(vacant)***

Hardware Systems

- ***See separate talk...***

Control & Monitoring

- ***Support of numerous test stations***
- ***Port of DART to Digital UNIX - how much is really needed***
  - **for 'Control Path DAQ' ?**
  - **for components of Logger, EXAMINE, etc ?**
- ****REALLY* need to generate complete solutions***
  - **eg from GUI to PS control**
  - **as examples for other applications**
  - **as proof that it works!**

Trigger interfaces

- ***Not a real worry…***
- ***Need some close contact with Philippe Laurens in using C/S as base for communicating with TCC***
- ***Scott (COOR) / Gordon (L3) / Philippe (L1,L2) communication path seems good***

Configuration and Run Control

- ***Lots of complications in trigger definitions yet to be attacked***
- ***Will Scott have time?***

Data Logger

- ***Won't feel secure until some rate tests are done!***
- ***Scheme for tieing in Event Distributor (aka Hoist) needs to be designed***
- ***Just beginning to address issue of how to handle streaming***
- ***Haven't begun RIP interface work yet***

Calibration

- ***ORACLE installation on Host node should proceed soon***
- ***Lots of varied work to do - in Front Ends, L3, and Host. Need infusion of people.***
- ***Nervous until database access rates are measured***

Event Monitoring

- ***How much of DART / Hoist can we use?***
- ***What is the architecture?***
  - **I envision the path:**
    - ***Data Logger***
    - ***Event Distributor***
    - ***EXAMINE 'server' (Processor Farm)***
      - **connected to COOR**
    - ***EXAMINE 'client' (Control Room)***
- ***How is the event structured?***
- ***What is the program structure? Does it follow the Offline framework?***
- ***What rates are needed / possible?***
- ***PAW / ROOT / D00M / etc ?***
- ***Who will do this???***

DAQ Monitoring

- ***Need someone with global DAQ understanding to coordinate this***
- ***Very much a 'consumer rated' product - it has to be useful in the Control Room***
- ***GUI intensive - need skills***
- ***Who will do this?***

Accelerator Interface

- ***Need 'person to person' communication with Beams Div now to understand needs, possibilities***
- ***Need an ACNET - EPICS bridge***
- ***How is all relevant information (losses, beam position) collected, recorded, and transmitted?***