Racks

Murrough Landon – 8 November 2001

`http://www.hep.ph.qmul.ac.uk/~landon/talks`

Overview

- Developments since Mainz
- Information given to Chris Parkman
- Outstanding issues

Developments since Mainz

Not much!

- The wall really is a wall!
- Layout proposed at Mainz given to Chris Parkman
- No changes to my diagrams...
- ...but Bill Cleland wants an extra rack for signal monitoring equipment

Information given to Chris Parkman (1)

Racks

- New layout of racks (still subject to change)

  - 1 run of 14 racks: all used by calo trigger
  - 1 run of 9 racks: two used by calo trigger, remainder still reserved for level 1

- Contents of each rack: crates, cabling, etc

  - 8 Receiver/PP racks: 2 9U crates + 10U for cabling
  - 1 rack reserved for possible extra TileCal receivers
  - 3 CP/JEP racks: 2 9U crates + reserved 1 6U crate
  - 1 TTC/ROD rack: 2 9U crates + 1 6U crate
  - 1 rack for computers, network switch, etc

Information given to Chris Parkman (2)

Cables

- No further information on cables provided yet
- Chris wants to know details about all our cables: type of cable, number of cables, expected route, etc
- LAr signals cables are in his database
- But no information yet on TileCal cables
- And no information yet on internal cables in USA15
- We probably need to reserved underfloor cable trays
- We now want to use the central and one side hole through the sheilding wall. But centre hole currently foreseen for the magnet cables.

Outstanding Issues

Racks

- Layout of PP and receiver crates?
- Do we need more than two TileCal receiver crates?

Cables

- Need to move on TileCal cables!
- Internal USA15 cable lengths and latency calculations depend on chosen layout for receiver and PP systems