Prototype2 beam test @ TRIUMF

5th SuperB Collaboration Meeting

Pisa Sep 2012

Beam test of Prototype2 at TRIUMF

- We will use the LNF DAQ program

- 10m long (50 Ohm) cables
  - Or do we want to use shorter cables with a DAQ system & PC next to the chamber?

- Monitor chamber(s)
  - one before and one after proto2 (we can bring 1 tube from LNF)

- T, P, H monitor (being built at LNF)

- Use the G4 simulation to evaluate as many effects as we can
  - need to know all material traversed (scintillators, etc.) by the beam

- Are the V1190 TDC's good enough for the timing measurement?
  - we can investigate if we have better resolution TDC's, and how difficult is to integrate them in our DAQ program

Beam test of Prototype2 at TRIUMF

More items:

- It would be useful to exploit the full *y* height of the beam

- Shall we restrict the beam z to less than 20cm?
  - maybe we can find smaller counters at LNF

A rotating support for proto2 exists