

A short list of technical issues from the B2GM – 30-JUL-2012//GSV

Power/Grounding session:

- Tie KLM amp ground to frame?
- Schematic wiring diagram for iTOP system
- Conducted emissions testing? (need to measure our sensitivity/susceptibility)

General bPID session:

- How we will do recon?? (tilted mirror doesn't work for analytic PDFs)
 - Back of the envelope regarding PDFs needed:
 - 3x PID species, 1cm in z, x; 10 momentum bins, 1M events each
 - Need ~3 trillion MC events (and store many M PDFs?)
- Double gamma separation, single channel readout?
- Time resolution: raw data format ?
- Inami-san showed me HV PMT base prototype. Small, flying HV wires. [info posted on Indico]
- Alternative to 2mm connectors? (he would like to reuse)
- Prototype by middle of August

General DAQ/rad discussions:

- Pocket DAQ is proposed for future beam-test/CRT work (available end of year)
- Test plans of modules at PNNL?
- Specifications set for in-detector, need on-detector test specs

KLM related discussion items:

- When can we get HSLB? (Belle II link FINESSE)
- eKLM needs 2x Motherboards worth of readout; bKLM + others 2x more?
- Amp testing/common eval card – needs design
- Grad student (& possibly Norm) from VT to help with assy/test

Other General discussion items:

- Hosting US ml at PNNL? (agreed in principle)
- Who will attend Belle II System Review at ANL? And when will it be?
- Belle II focused BPAC Oct. 1-2 [both Blair and Joe will serve as Reviewers]