AX-PET DAQ/Analysis meeting
22/7/09


---

Agenda:
- Measurements still to be done with Module1
- Plans for Module2

---

Measurements/Actions to be done on Module1
- Check motion control
- Multi-γ source + intrinsic radioactivity; both sparse and serial; extrapolate to zero counts (to complete the comparison serial vs sparse & pedestal definition)
- Z-scan (1 crystal): 52 points / 1.6 pitch
- Y-scan:
  a. along one odd WLS
  b. along one even WLS
- Calibration ADC - Npe for WLS (i.e. WLS “energy” calibration)
  - with CAEN VME ADC: ADC <=> Npe
  - Thr (5 pe?) = ?? ADC
- Threshold settings study (from data already taken; which is the best thr setting???)
- Correspondence ADC counts <=> THR [mV]
- LYSO energy calibration (big tagger / source closest to the tagger)
- External trigger:
  1. timing adjustment (timing must be given by LL LYSO sum)
  2. S/H delay tuning (with ext. trig - to be compared with int. trig)
  3. Delay scan (Hits efficiency VS Trigger delay)
- “Ultimate” scanning (all module, YZ)

Plans for Module2
- tentative schedule: start installing Module2 in Bld304 in 2 weeks from now (starting from 3 Aug)