ATLAS SCT H8 Testbeam

Discussion of Schedule 2/6/2000

- **Issues from Feb 2000 SCT week:**

  Anchor planes (2) built & used in May run (2200 ev/b)
  PC + NI-VXI purchased, installed and used for DAQ
  and in-situ characterisation -> becomes standard
  Prague SCTLV-2: noise OK; TRIPS; No filters
  (Jan Stastny to work on under-voltage trip next week)
  New trigger counters built & installed (Prague CU)

- **12 - 24 May 25ns bunched beam**

  Conducted successfully - much data taken
  Analysis started

- **14 - 21 June Parasitic (PIXELS)**

  Chiller should be available; magnet by negotiation
  * General tests of modules
  * Interest primarily by Institutes building modules
    - MEL, Scand, Valencia (?), CERN/GE, US (?)

- **21 - 28 June Main user (magnet, chiller)**

  Irradiation run: magnet / rotation / bias scans
  Expect up to 4 modules with irradiated parts
  * RLT4 (fully irradiated; 12 chips working)
  * C/G irradiated hybrid + irradiated detector ?
  * H12 hybrid with irradiated detectors ?
  * ?

  -> Define HV Protocol
  * Find safe maximum voltage as set by limits of 500V, 2mA, -20C [???], cooling as required to limit current
  * Operate at this T for all HV settings ?

  Request also several (ideally 3) Barrel Reference Planes to undergo same rotation / magnet scans at lower bias

Which unirradiated barrel modules will be available ?
KEK ?   UK ?   (Scand ?   US ?)

- **23 - 30 August   Main user (NO magnet)**
  * Contingency for further measurements as indicated by analysis of May & June data
  * More irradiation test modules ?
  * General module tests as requested (?)
  * Too late for detector PRR ?
  * Small possibility to renegotiate earlier or a few days of magnet if we have a very good case
  * Personnel difficult in July

- **30 Aug - 9 Sep   NA 45 (High intensity microbeam)**
  Potential for high-intensity runs if modules are available and there is interest

- **2001, 2002 - start thinking about needs**
  Detailed module evaluation ASAP in 2000
  ROD User Evaluation in TB? (Nominally until Mar 2000)
  (Opto, Crates etc from ST ?)
  DAQ-1 ?   Common runs ?   TSP ?

- **2003 - 2005 - requests already made by LHCC**
  TSP? Annealed modules ?
  QA ? Simulation tests ?