Minutes 2011/10/14

Present: Spiros, Jonathan, Gang, Xin, Mustafa, Flemming, Wei

1. General items: Talk to Flemming on Monday about WBS 1.6 (Software) milestones. Send him in advance my version, my current thinking.
2. HFT Geometry update
   a. Material has been gathered to clarify support structure in Y2013 geometry.
   b. Flemming is to produce some drawings for everyone's use sometime next week
3. Physics of the Prototype ?
   a. Quick calculations by Xin/Jonathan on acceptance are done. The two proposed configurations look good for mean-pt, high pt coverage.
   b. Work has started in setting up a clean/quick geometry (No SSD/IST material) for medium scale production (~10K Hijing + 10D0s/event?) for tracking efficiency/ghosting studies.
   c. Xin asked us to correct slide-14 (TPC+PXL sector overlap) to correctly reflect the TPC geometry. He also pointed out the sector-20 alignment issue has been resolved (good to go).
   d. Plot of East/West TPC hit density (away from the central membrane) to be produced (to see pathological/dead areas/patches, if any).

4. Slow Simulator (**still to do, sorry!**)
   a. Draft an initial implementation plan for Auguste (Spiros/Mustafa et al) in order to
      i. Acquire the DIGIMAPS code fixed with our ultimate chip parameters.
      ii. Clarify plan on how to use the CERN beam test data to fine tune them
      iii. Begin small track number slow simulations
      iv. Parameterize behavior for fast simulator in the chain.