

Minutes 2012/4/27

Present: H. Matis, Hao, Amilkar, Spiros, Jonathan, Xin, H. Wieman, H-G Ritter, Flemming

1. Survey & Review

- a. We are going to have a STAR internal review of Survey procedures around the 17-18 of May (together with a TC face to face meeting). The 17th is the day the review will likely happen.
- b. Jan's slides are to be discussed next week due to his travel.
- c. H.Matis summarized some slides already shown at yesterday's hardware meeting. Repeated measurements show good x-y (wafer plane) repeatability and somewhat poor z one (>100microns). Need better support structure.

2. BUR- Run13

- a. Hao discussed his full simulation (with an overestimated pileup) results. The results agree with Jonathan's work in general. There is only one discrepancy to check, the efficiency vs pt of the Mercedes configuration. He also raised the question of the impact of internal PXL misalignments impacting the efficiency. Bottom line is that with a 500 Million AuAu events we seemed to be able to extract some Physics. These results are input to the BUR-13/14 committee.

3. UPC-electron background in PXL

- a. Spiros presented some results of calculations using the Starlight event generator together with Geant. Spiraling hits is not a negligible fraction of the total number of hits. Expected hit densities in each PXL layer are determined.
- b. The pileup mechanism, method and densities need revision. Amilkar/Spiros will use Starlight/Geant hits together with mbias AuAu for new pileup files. Also will explore standard pileup mechanism in STAR mentioned by Yuri.

4. AOB

- a. Spiros started re-working Software sub-system pages on Drupal. A hybrid system where the files are posted as link to a public area.