

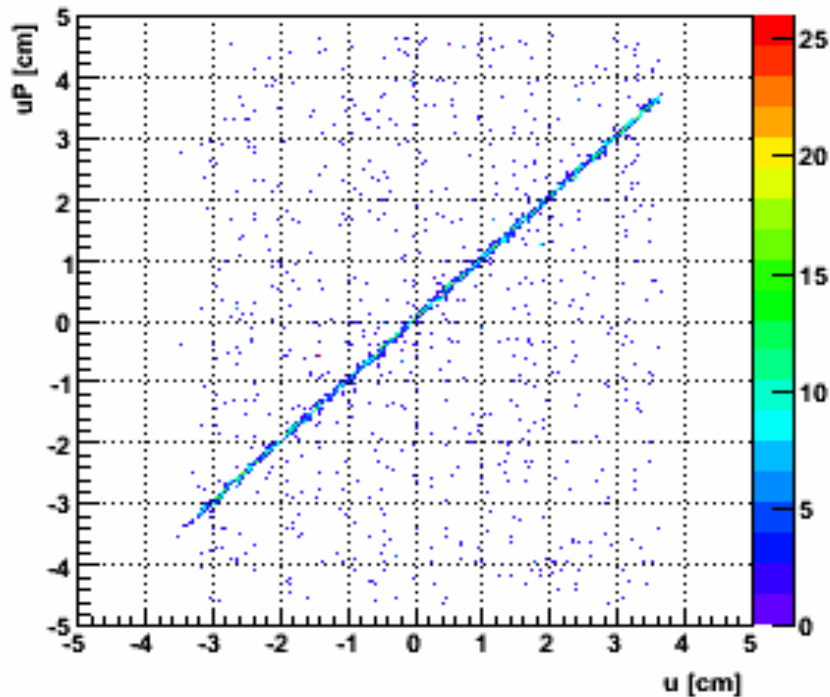
Alignment Software - Update

- Immediate goal to establish HFT chain for SSD and IST based on SVT/SSD work
- Next would be to include PXL
- Then work on Procedures (using simulations as evaluation tools)

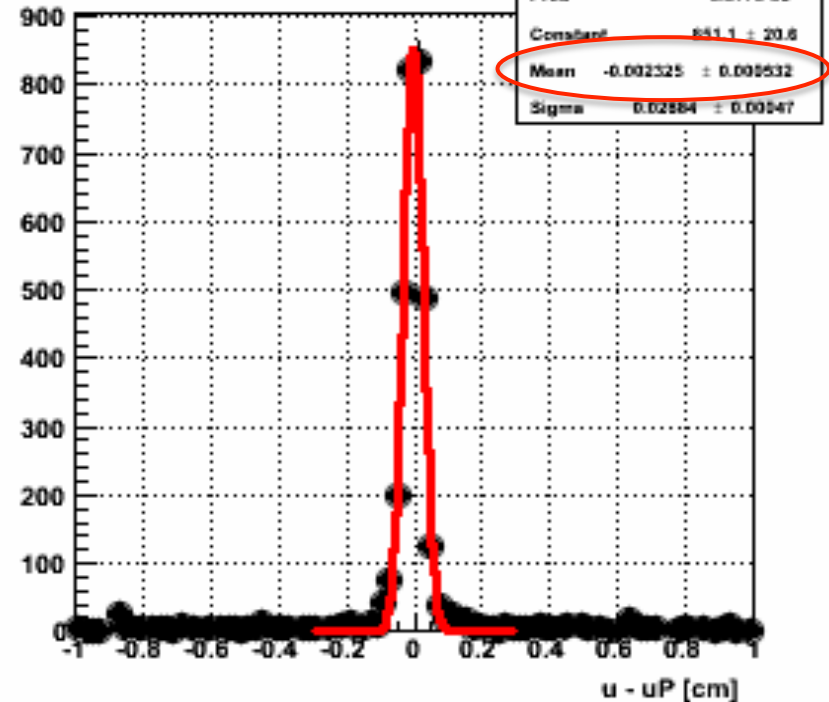
SSD

- 50 track events – Ideal SSD geometry, no shifts
- TPC primary tracks
- SSD Hits not used in tracking
- $u \rightarrow R\Phi$ direction
- u = local hit position
- uP = prediction of local hit position

fHits.xG|<=0 && fHits.yG|<=0



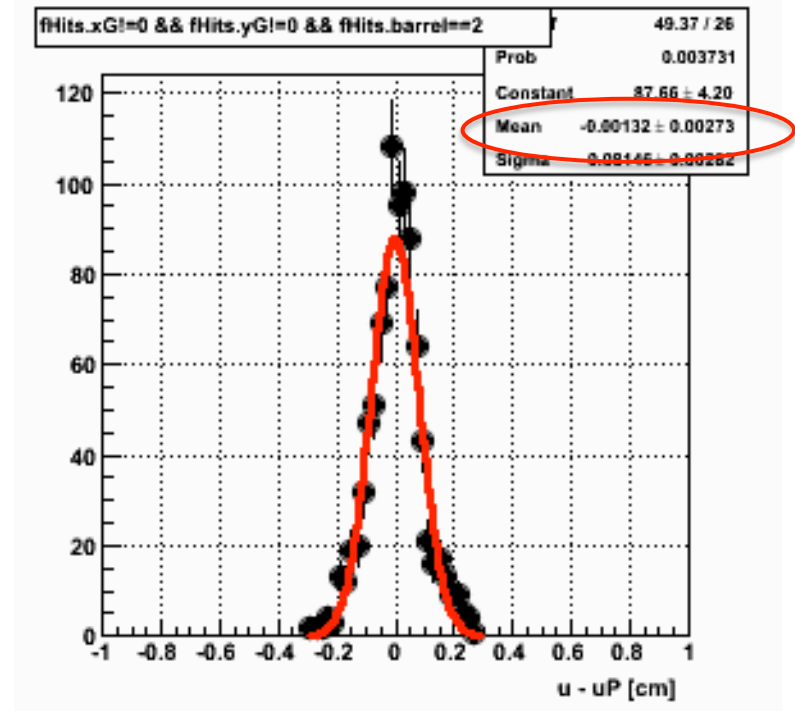
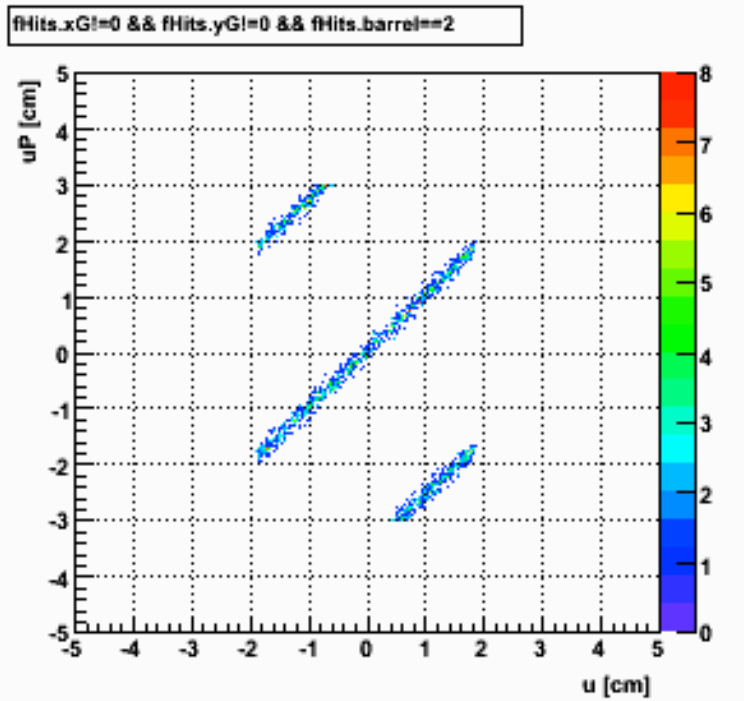
fHits.xG|<=0 && fHits.yG|<=0



Mean relates to misalignment

IST

- 20 central AuAu200 Hijing events – Ideal IST geometry, no shifts
- TPC primary tracks
- SSD/IST Hits not used in tracking
- $u \rightarrow R\Phi$ direction
- u = local hit position
- uP = prediction of local hit position



- Side bands due to high multiplicity plus no hit selection (just wafer requirement)
- Need to add criteria for clean up
- Needs to be repeated with low multiplicity
- Work in progress

Mean relates to misalignment