

Plots for SVT NIM

Some notes scribbled down at the 2/262018 Meeting on assignments for plots for the NIM and likely tools.

HITS:

Noise occupancies in a representative layer and as a function of layer - *Matt/Mike*

- Noise runs w/ different thresholds, - documented in list generated by Matt
- from java monitoring code

Physics occupancies in L1 as a function of position and peak occupancies as function of layer - *Matt/Mike*

- similar to noise occupancies

Cluster amplitude distribution in units of noise (S/N plot of Landau) and S/N as function of layer - *Matt/Mike*

- monitoring driver? Must select for clean hits on tracks. (cuts:)

Hit time distribution and resolution as function of layer - *Matt/Mike*

- monitoring driver? Must select for clean hits on tracks. (cuts:)

Single hit efficiency as a function of layer and momentum (and if Matt gets there, as function of strip in L1) - *Matt*

- Matt's code. Must select for clean hits on tracks (cuts:)

TRACKS:

Track chisq - *Mike/Norman*

- For clean sample of tracks (cuts:)

Tracking efficiency vs. momentum - *Matt Graham*

- For clean sample - electrons only? (cuts:)

Impact parameter resolution vs. momentum? (deconvolute beamspot with wire scan data) - *Matt Graham*

- For clean sample (cuts:)

Track momentum resolution - *Mike/Norman (or Matt G.?)*

- For clean sample (cuts:)

VERTEX

z-vertex resolution - *Matt Solt*

- For clean sample (cuts:)

mass resolution - *Omar*

- For clean sample (cuts:)