Tracker Test Discussions

- **TE304 – GTFE Trigger Threshold Scan**
  - **Is in Tracker CPT, but has been replaced by TE305 (Layer Trigger Rate Threshold Scan) for LAT level testing**
- **TE403 – Efficiency, Resolution and Alignment**
  - **Part of currently defined Tracker CPT**
  - **Analysis performed off-line**
  - **Can be performed by off-line processing of SVAC data**
  - **Recommend to delete from P&OP**
    - **Sell off resolution requirement at tracker level**
    - **Alignment is part of SVAC**
    - **Efficiency tested elsewhere?**
- **TE 603 – MIP Calibration**
  - **Can be performed by off-line processing on SVAC data**
  - **Recommend to delete from P&OP**
- **TE 601, 602 and 701 (charge injection tests) are performed as part of the SVAC data collection**

More Tracker Test Discussions

- **TE702 – Trigger Jitter Measurement**
  - **Estimates trigger jitter on a channel by channel basis**
  - **1-2 hours for entire LAT**
  - **Not required for every CPT, Hiro has requested a single instance before the LAT ships**

- **TE704 – Noise Occupancy with Readout in Progress**
  - **Examines interference issues when a trigger occurs during readout**
  - **Requires two successive external triggers with specific timing intervals**
  - **My recommendation is a single design verification test either in the test bay or during the two tower test**