

SVT Slim Layer Hit Positions

Norman Graf (SLAC)

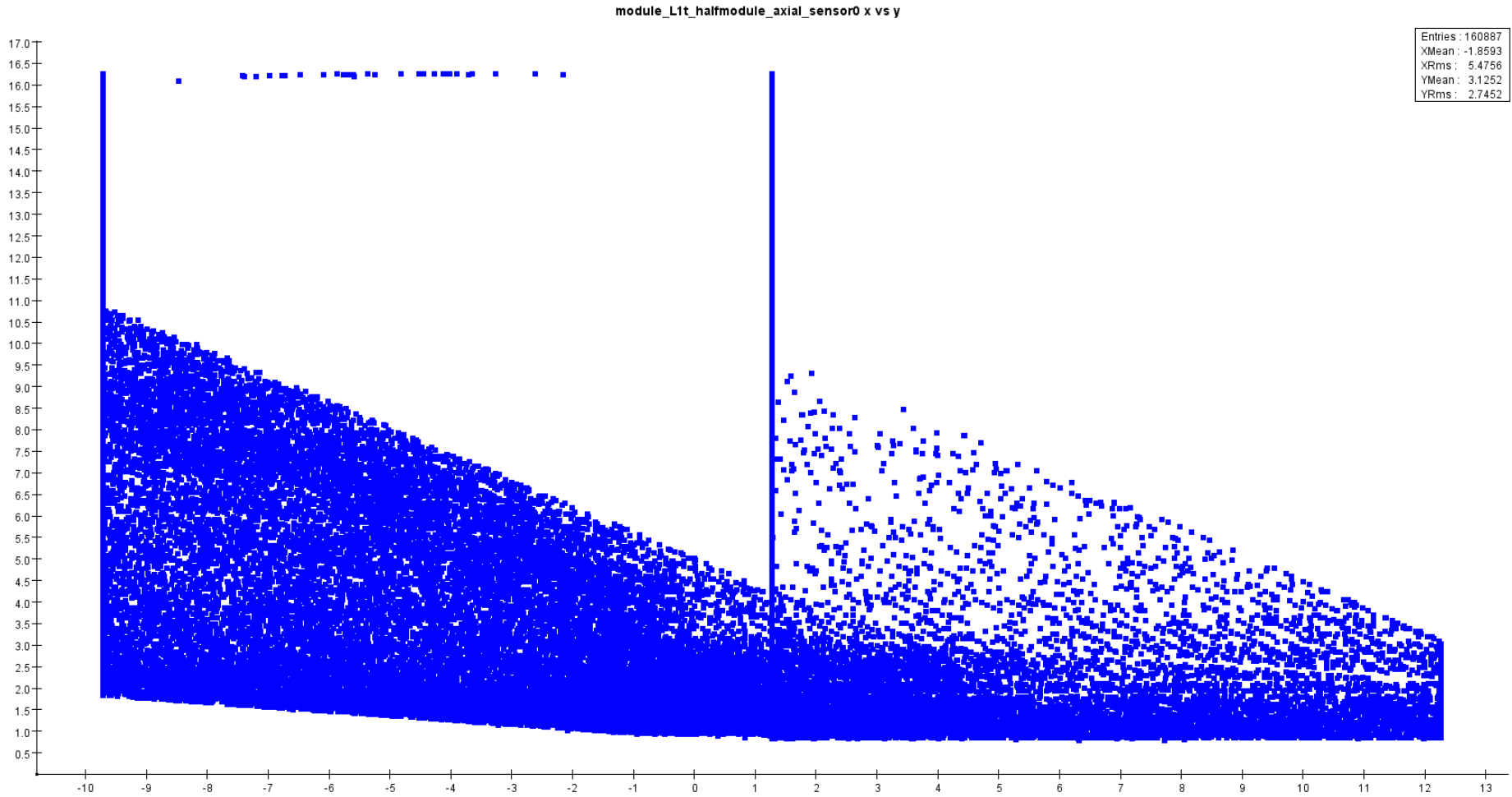
SVT Weekly Meeting, December 9, 2019

Split-Strip Sensors

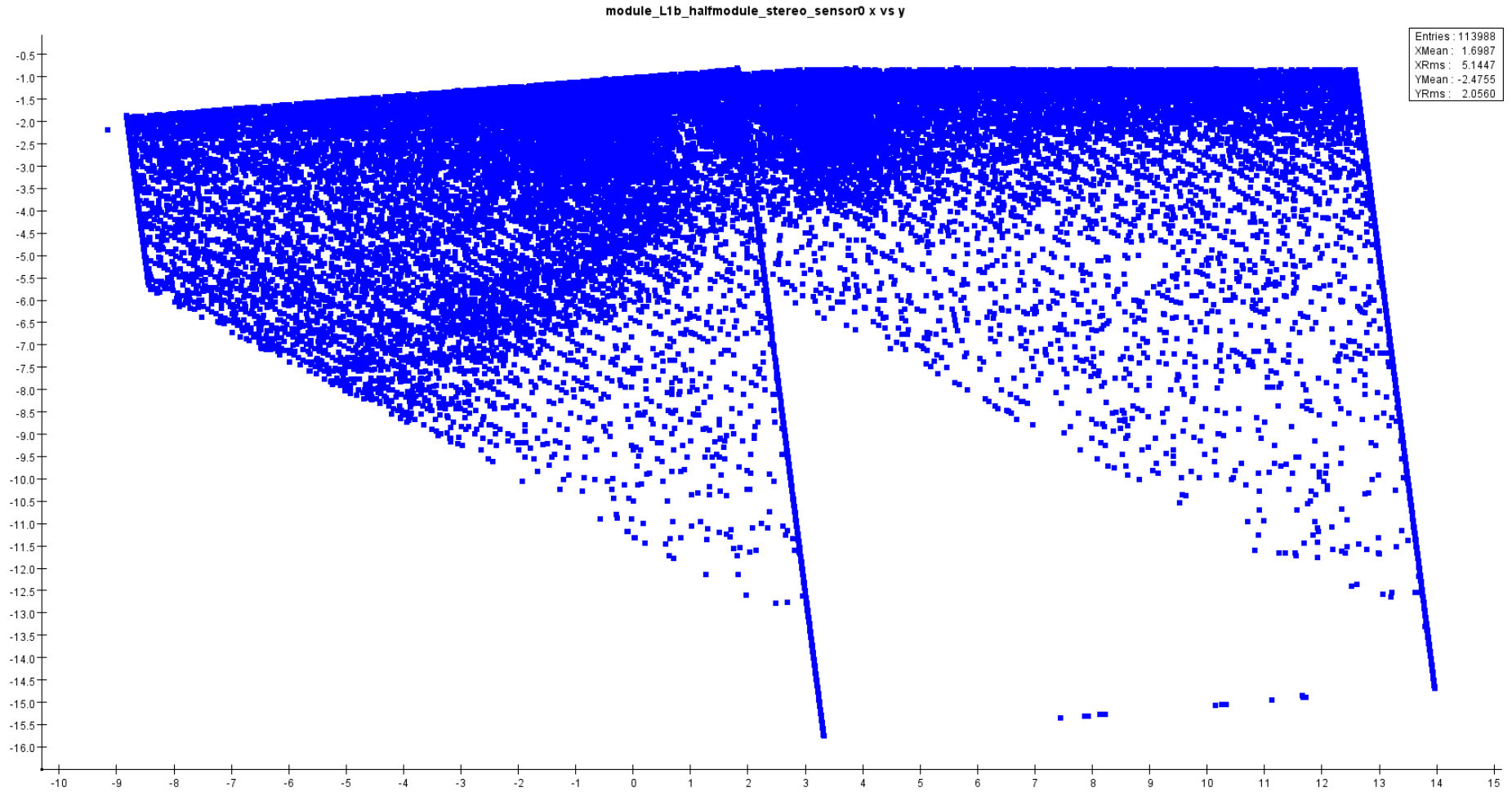
- There are problems creating the 3D HelicalTrackHits in the slim sensor layers.
- Plotting x vs y for hits in layers 1 & 2 (0 & 1) shows a number of odd features.
- Probably correlated to the vast number of warning messages seen in the reconstruction:

```
2019-12-06 15:59:20 [WARNING] org.hps.recon.tracking.TrackerReconDriver  
process :: 10050 4072920 Discarding track with bad  
HelicalTrackHit (correction distance 0.000000, chisq penalty 0.000000) Layer = 1
```

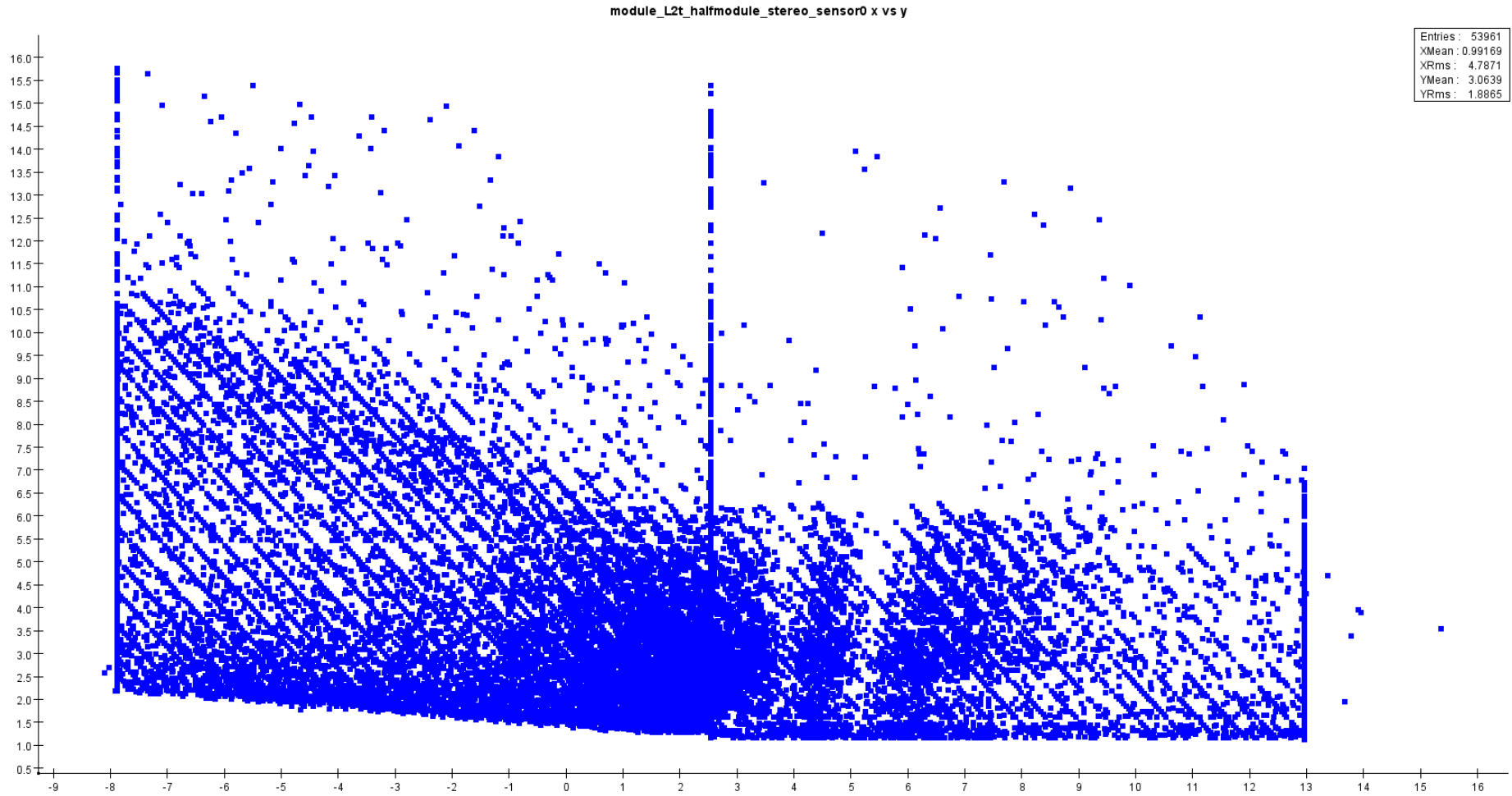
L1 Top



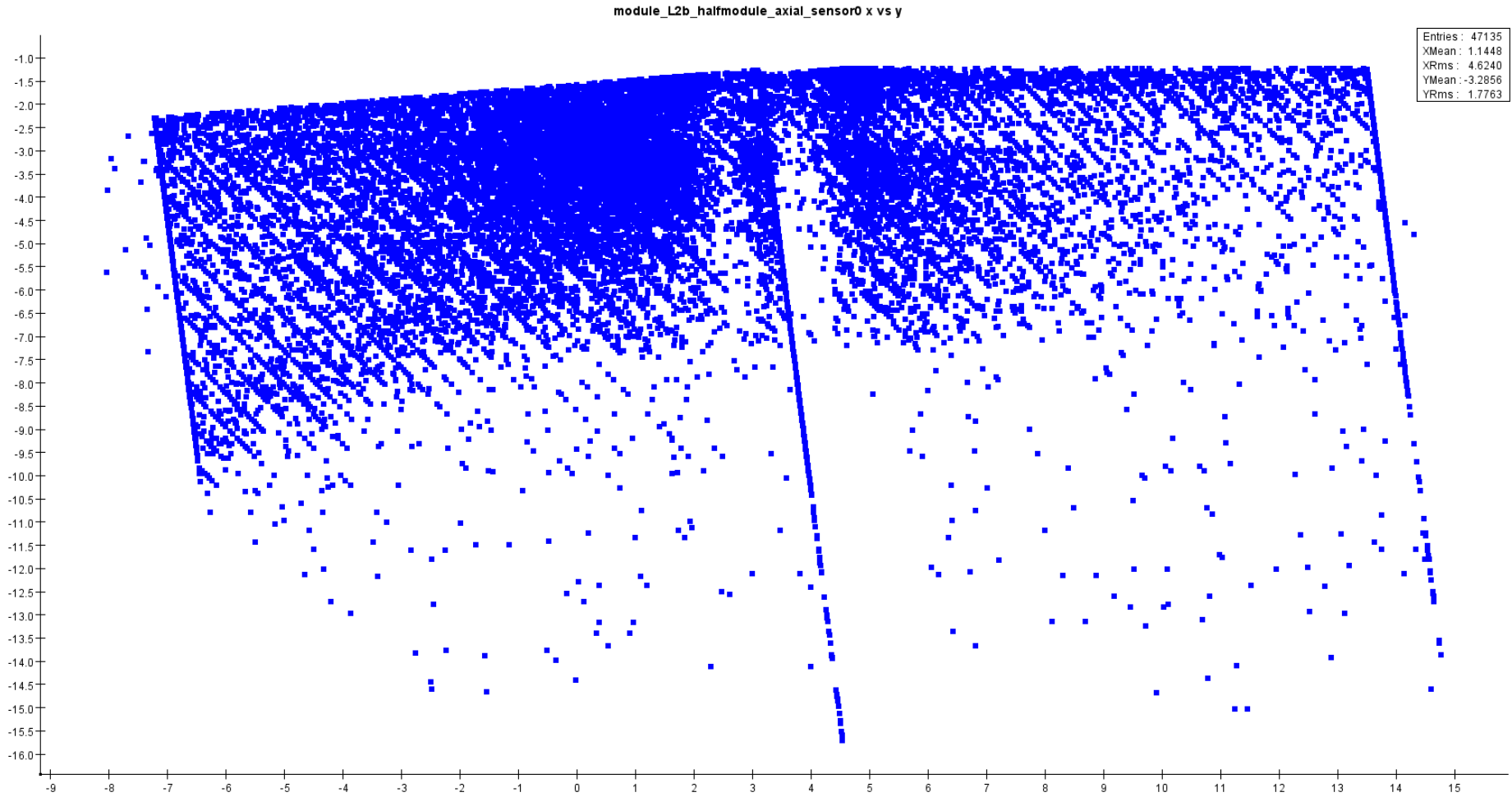
L1 Bottom



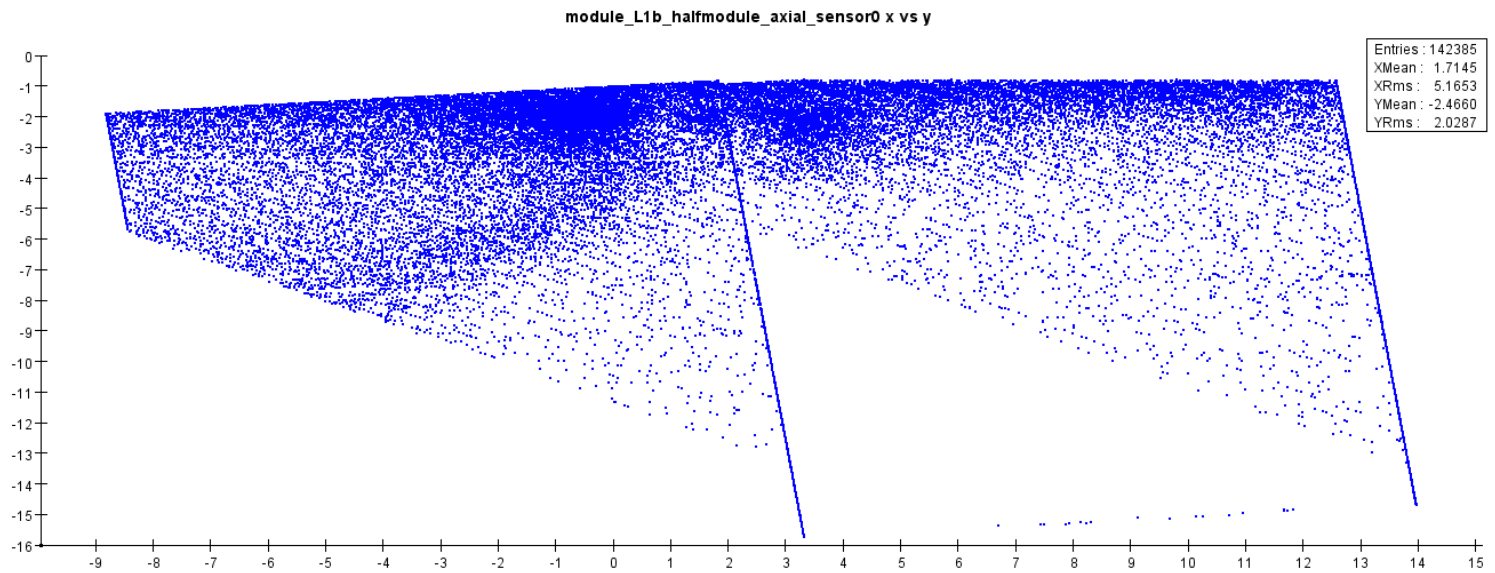
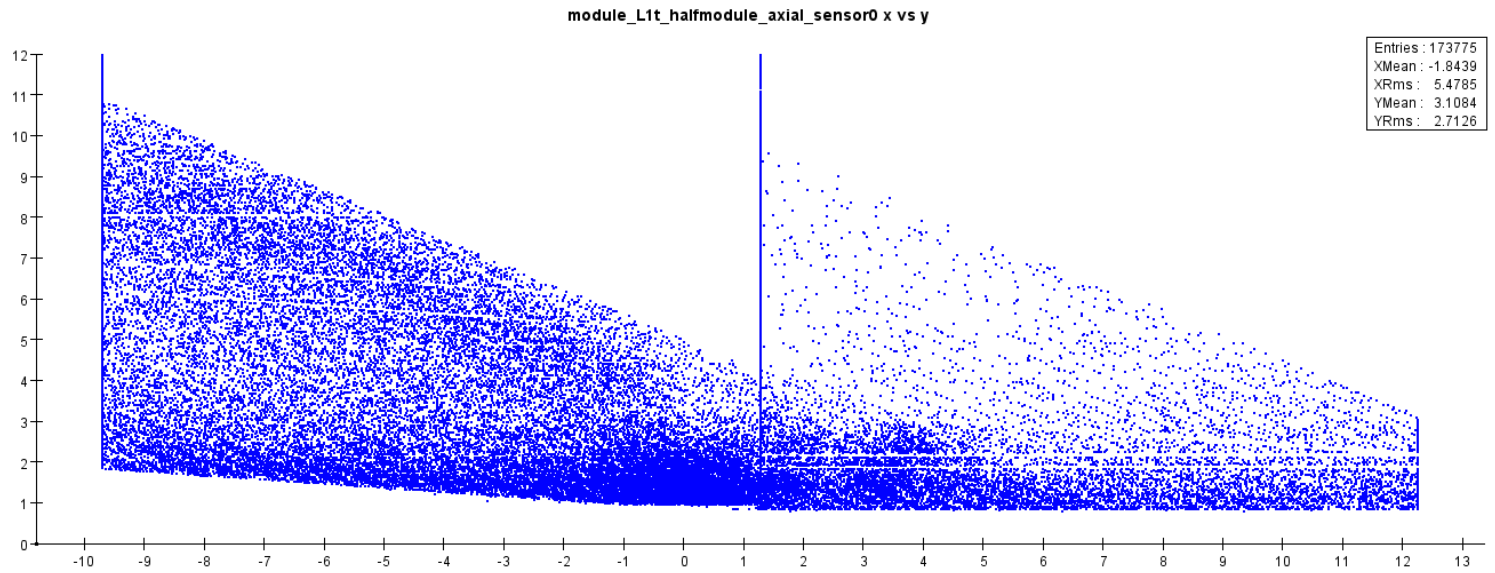
L2 Top



L2 Bottom



L1



L2

