

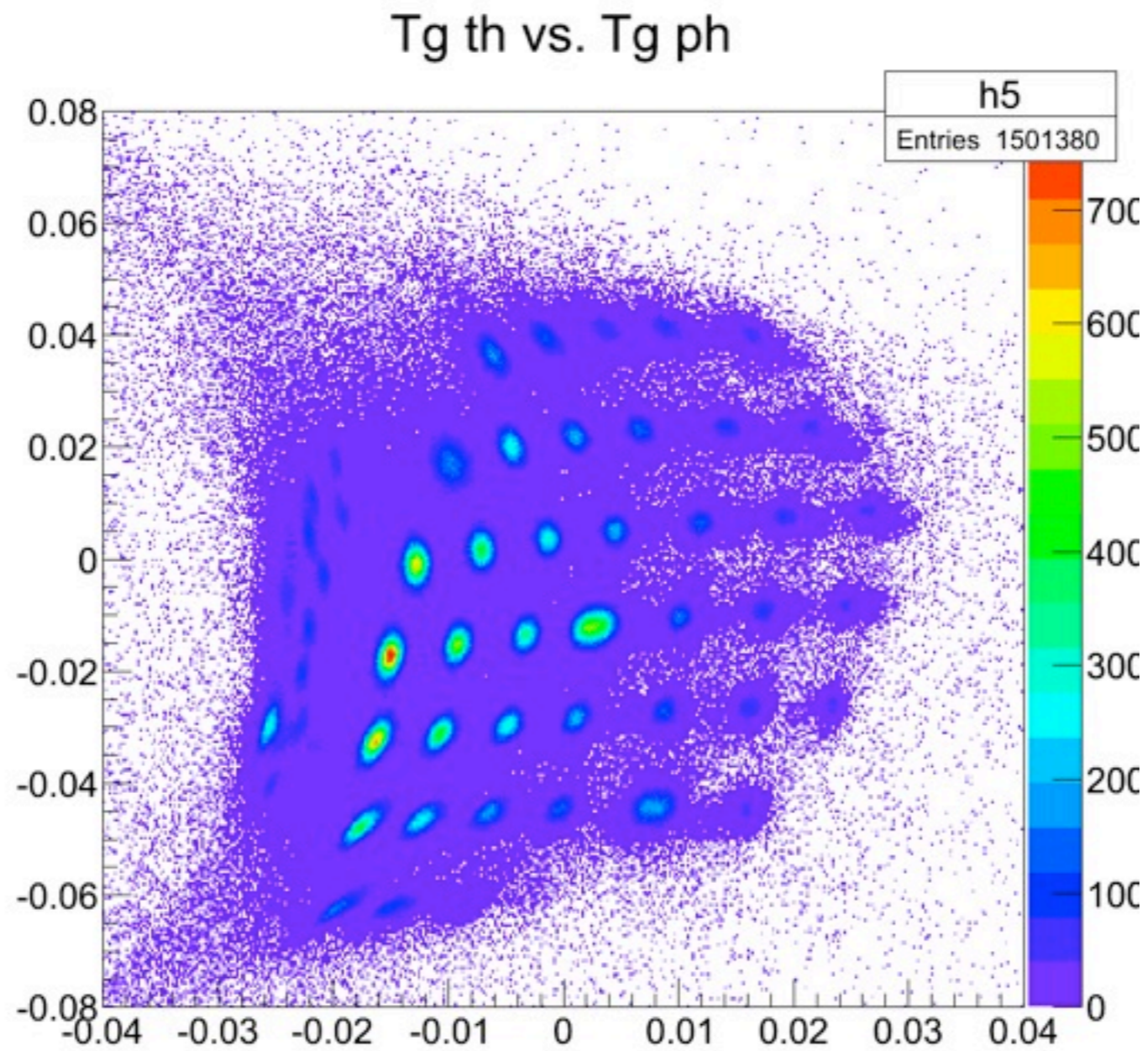
Longitudinal Optics Status Update

Chao Gu

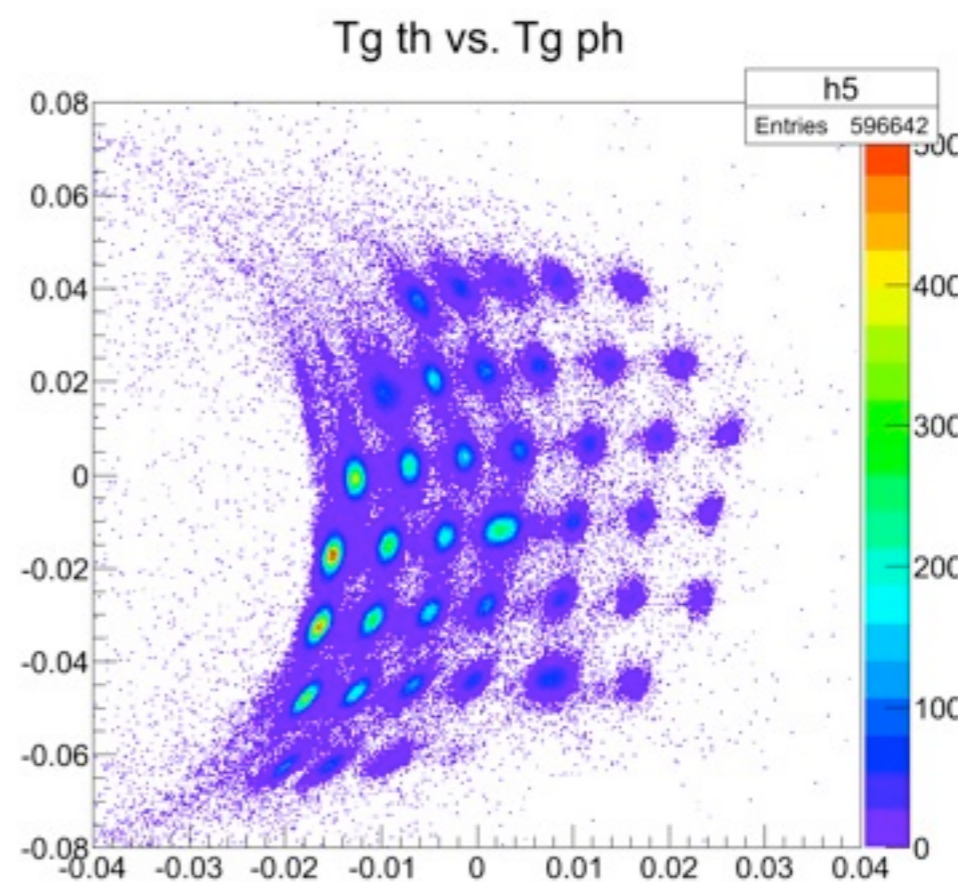
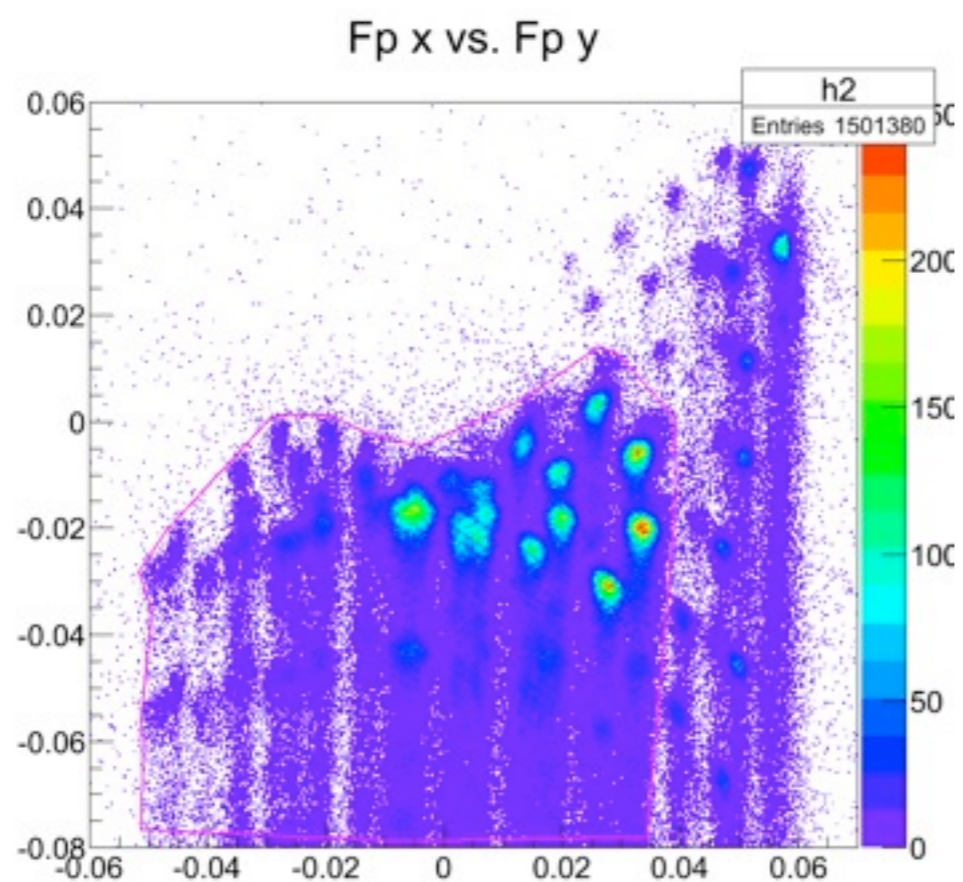
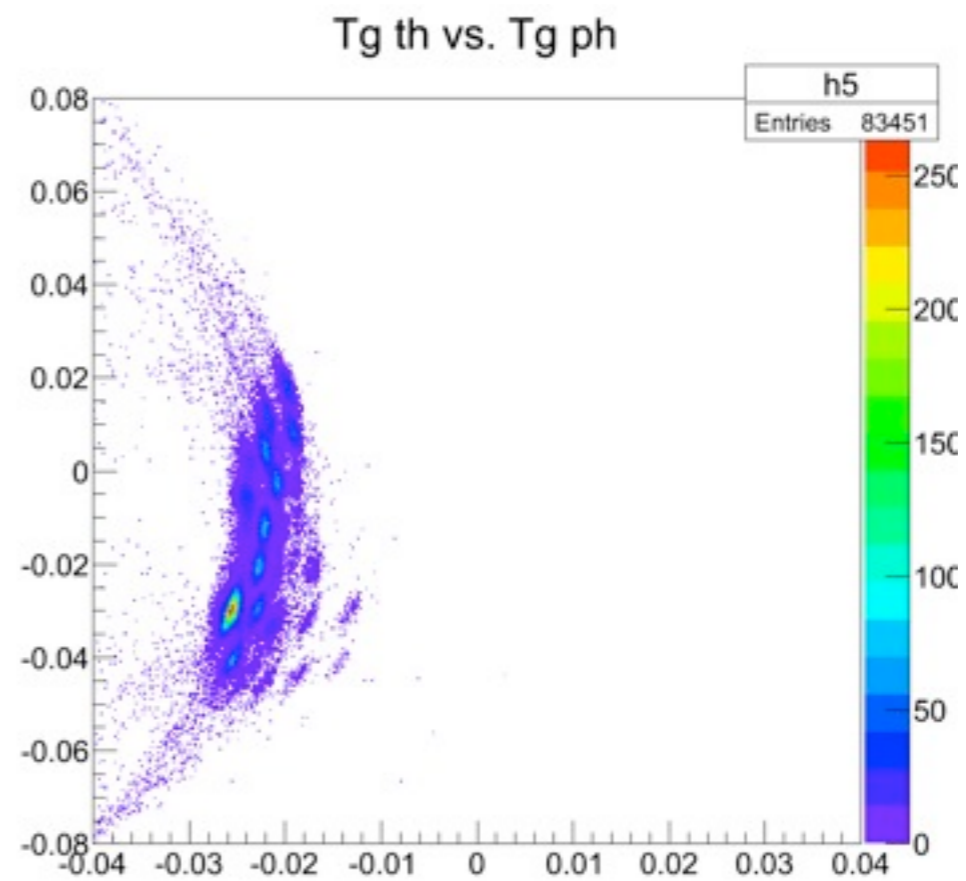
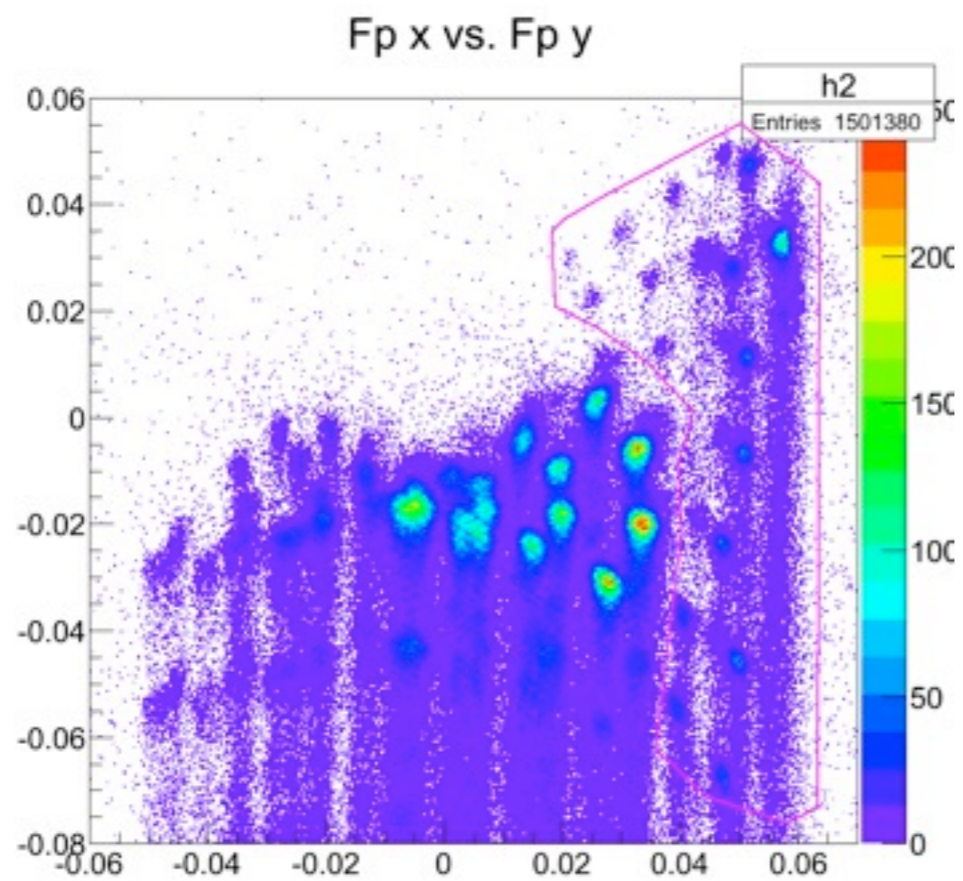
Longitudinal Optics

- This time:
 - Use focus plane cuts to clean up data
 - Replace vertex z with target y to make cuts

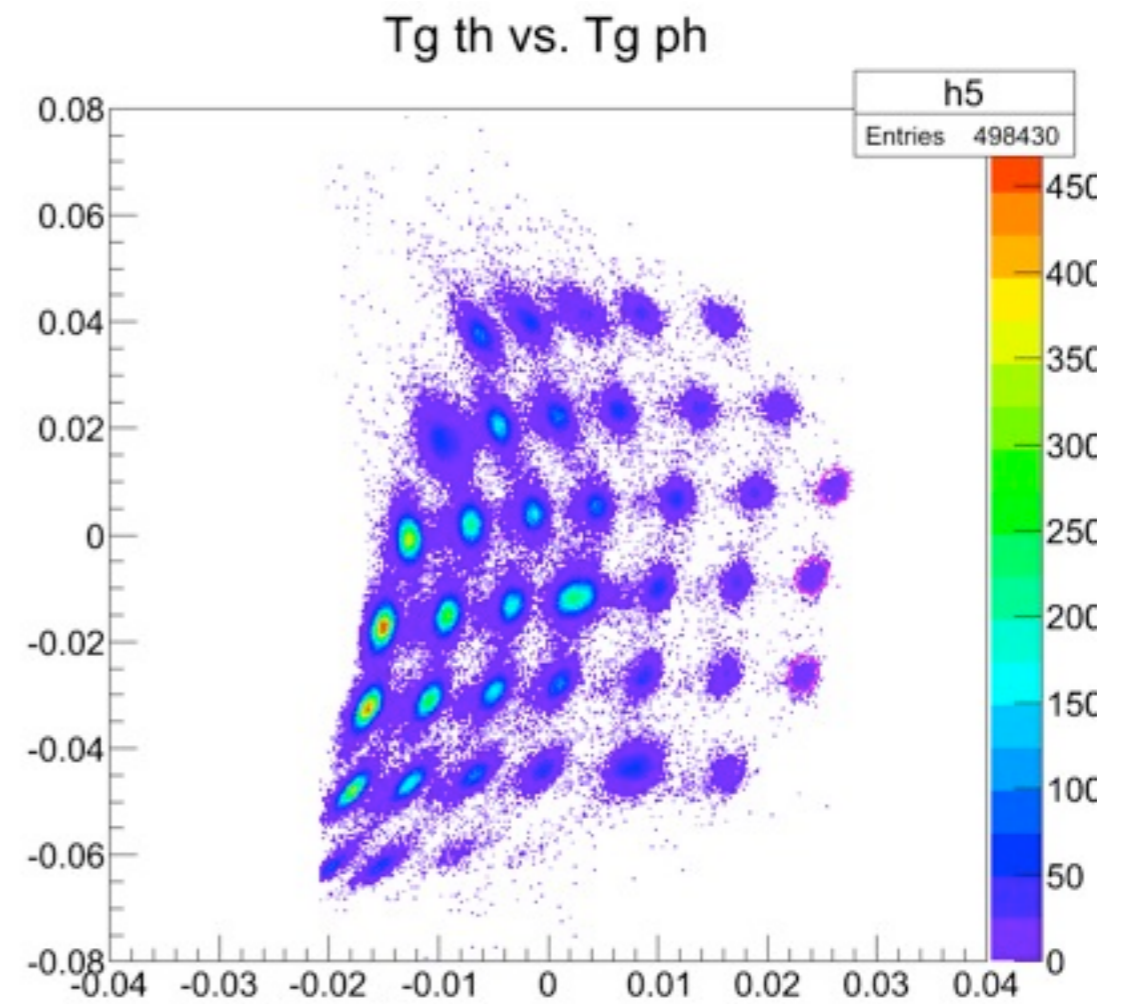
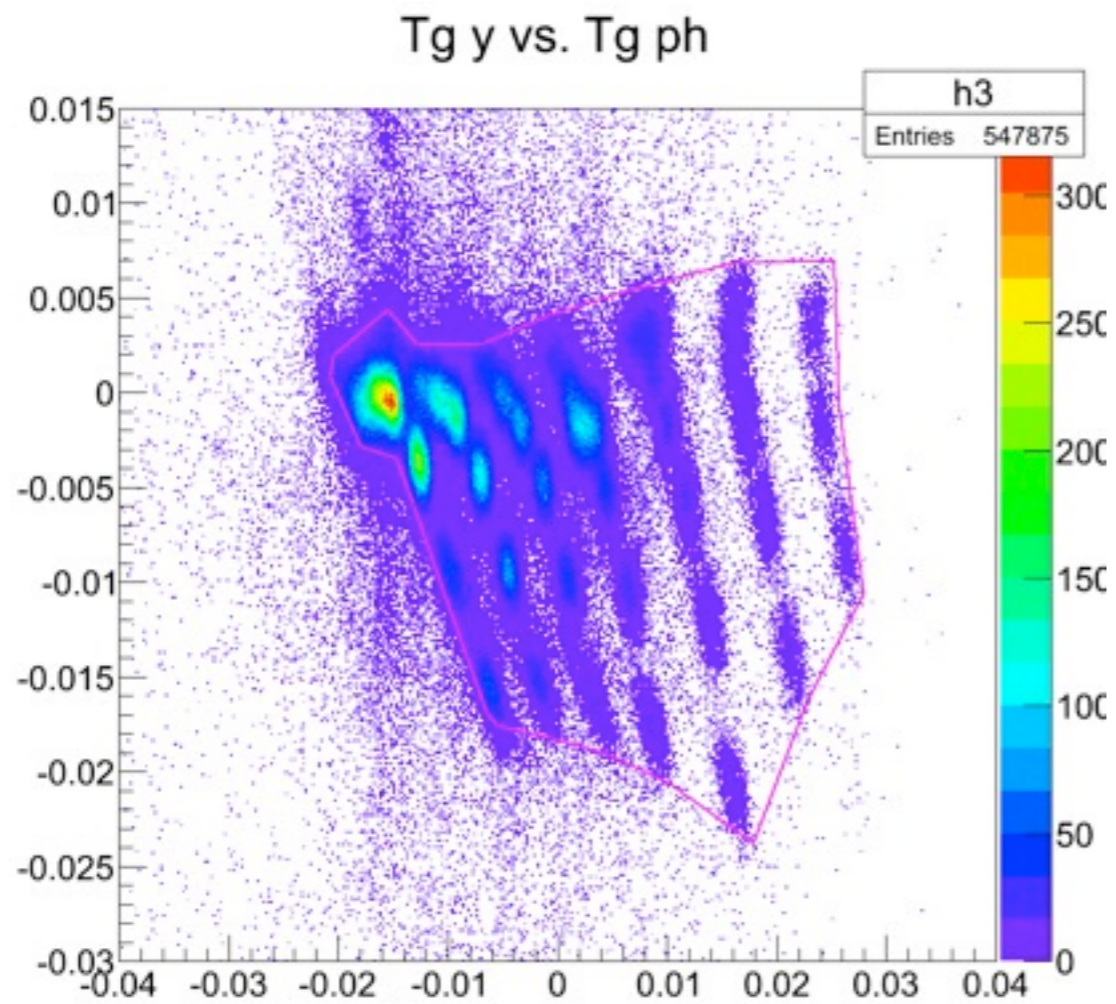
Select Cuts



No cuts

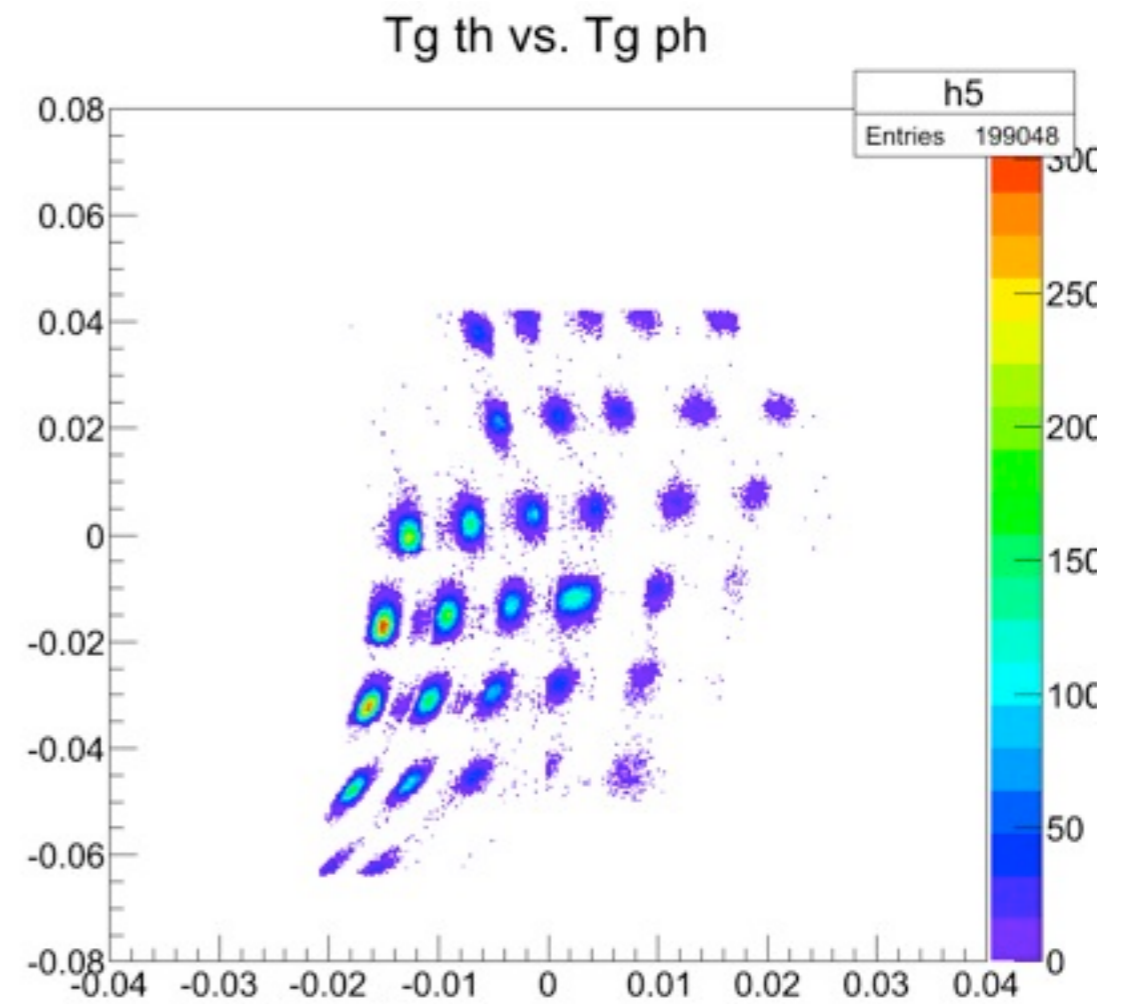
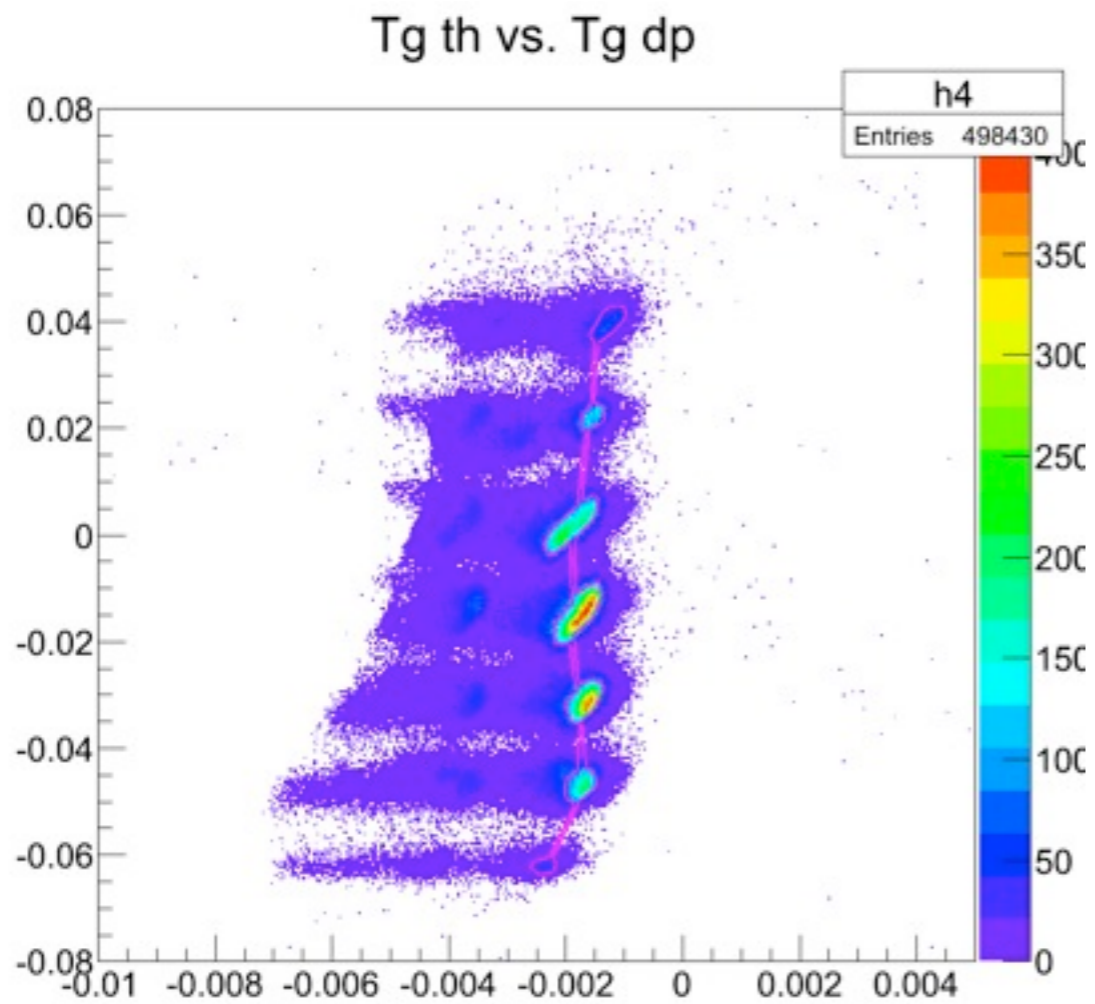


Select Cuts



This is used to select sieve hole and calibrate theta and phi angle

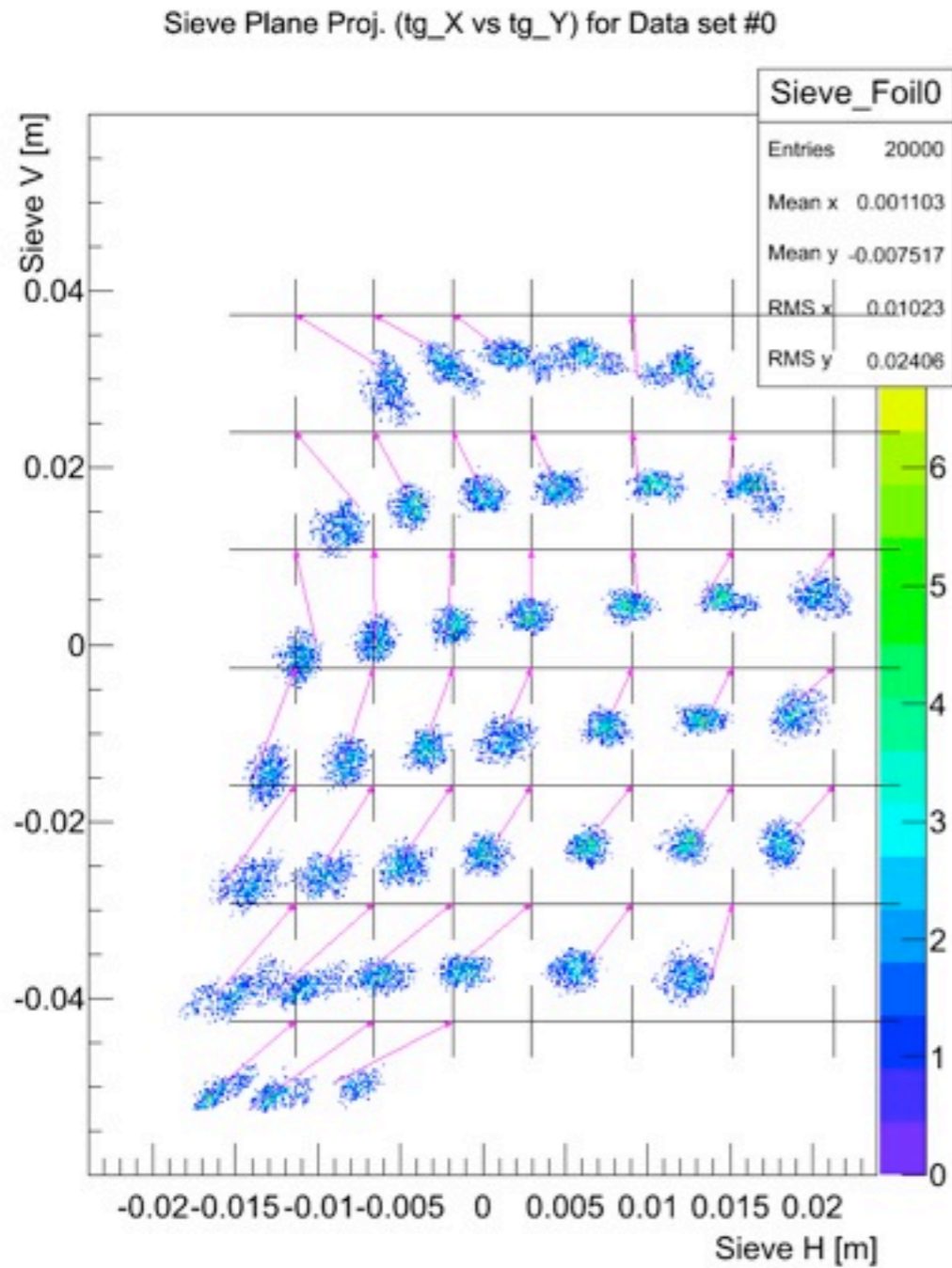
Select Cuts



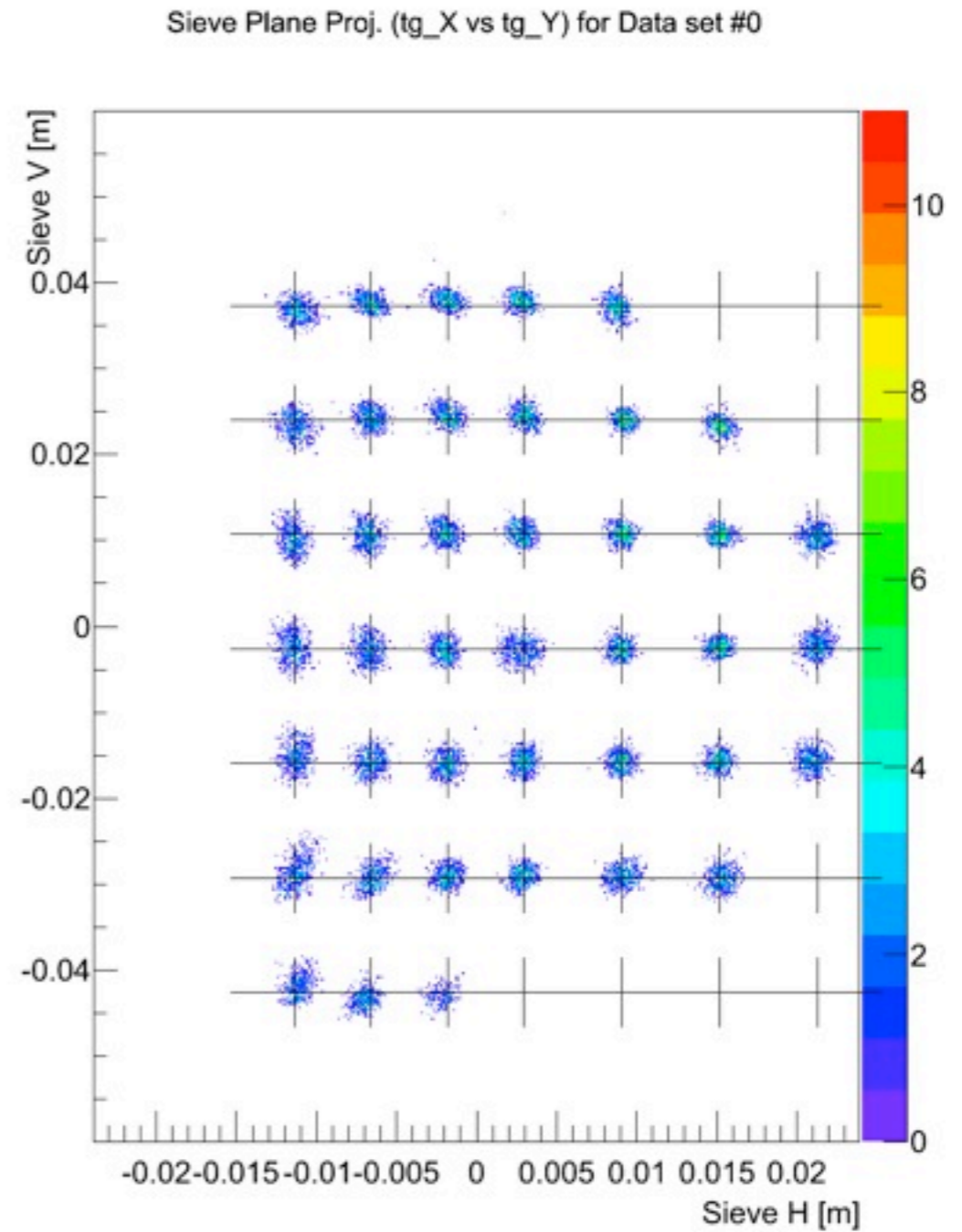
This is used to select sieve
hole and calibrate dp

Matrix Calibration

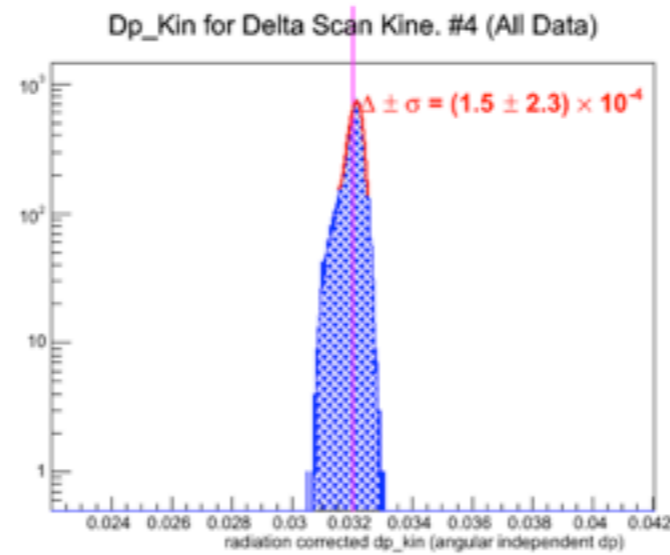
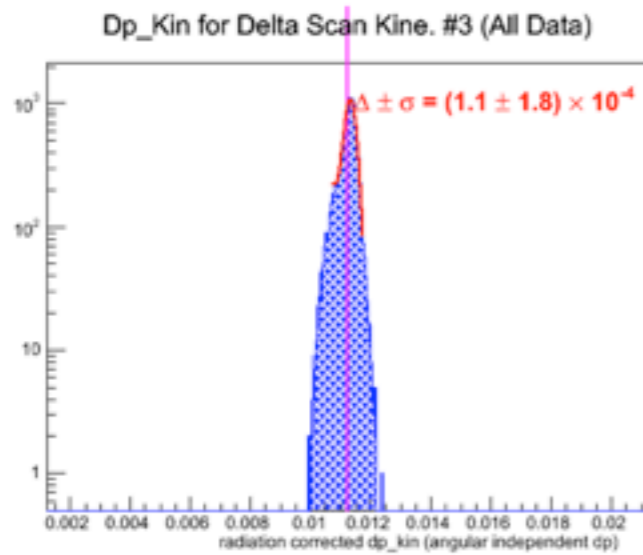
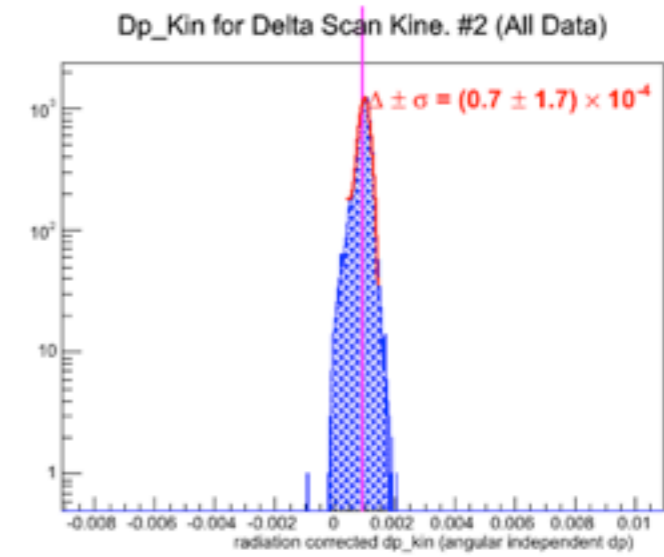
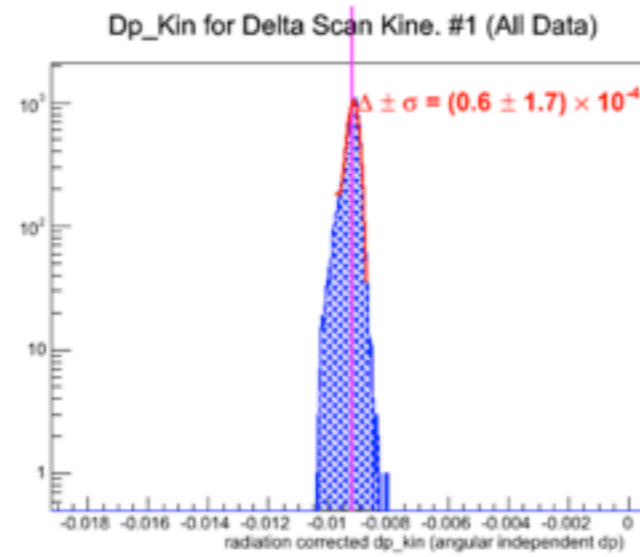
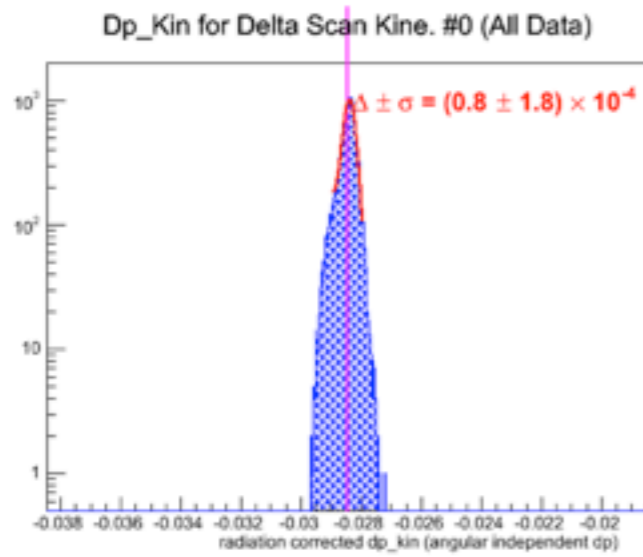
Before Optimize



After 1 iteration



Matrix Calibration



TODO

- Modify the optimization package to directly use target y to do y direction calibration
- Start from the lowest order and try to decide the matrix order used in optimization
- Any suggestion from this meeting