

GMP optics:

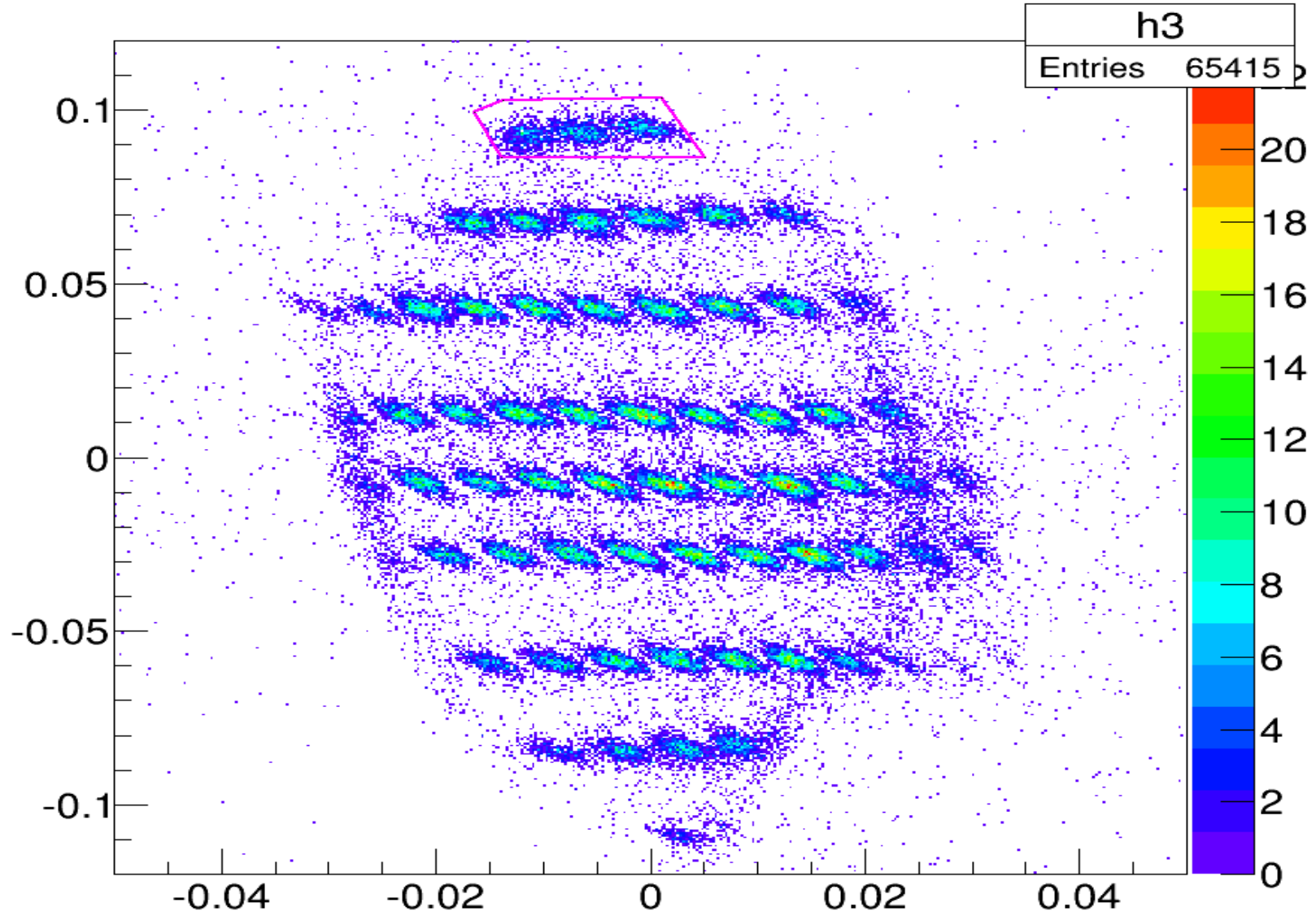
- Got old optics matrix for left and right arm
- Got optimization code
- Got optics data for both spring and fall run for GMP

1. Checking the old optics matrix on reconstruction this fall data

- plot the foils run: Fall data : (foils target)
- plot the sieve for each foil

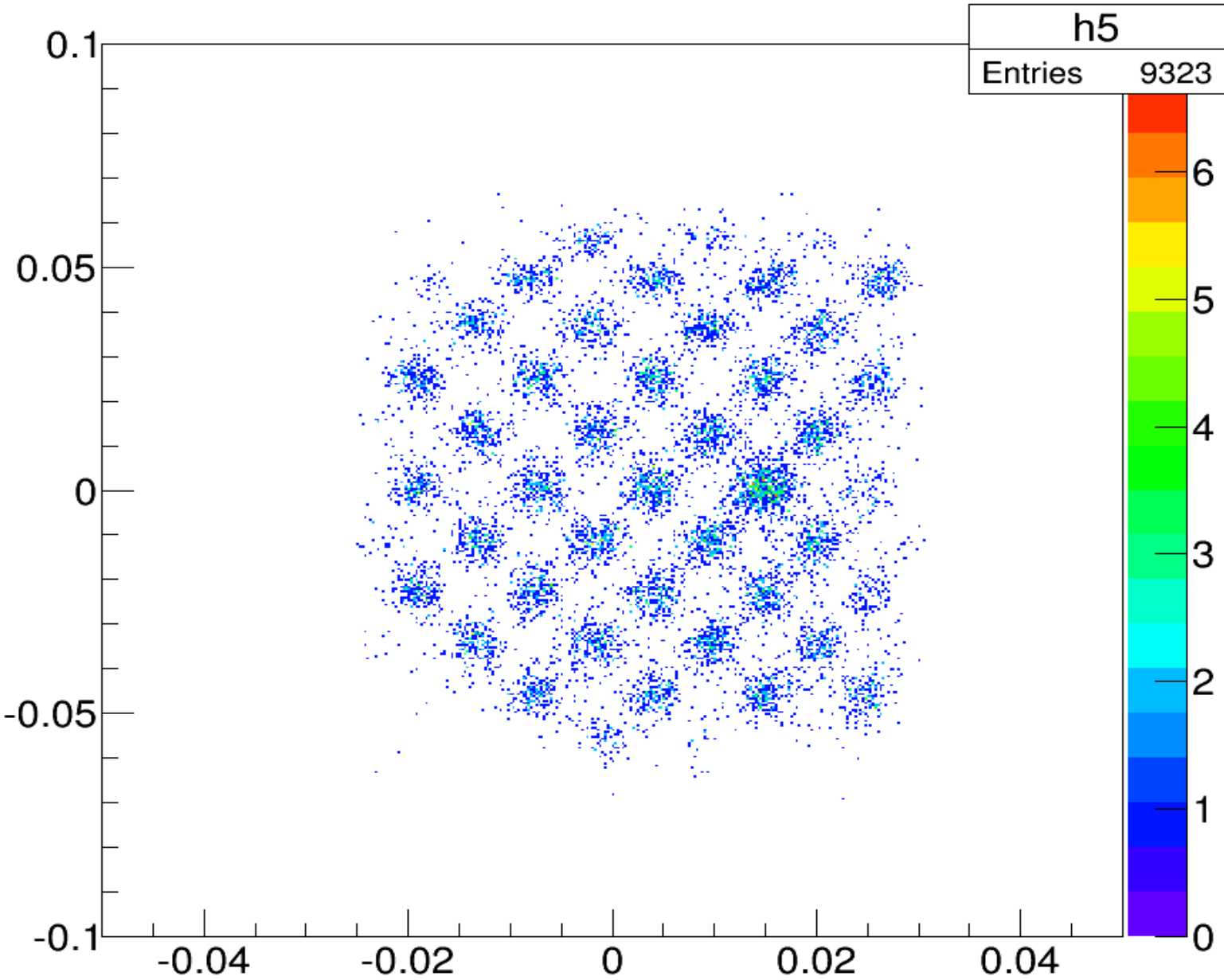
Plots to see the foils

Tg_Z vs. Tg ph



Sieve plots for foil 3 :

Tg th vs. Tg ph



Plan:

- Using Gmp spring optics as initial optics matrix
- Using the survey and data for this Gmp fall data to do optics calibration

Procedure:

- use initial optics matrix replay optics data.
- Apply the cut in every foils (9 foils) to select events from each foils. (cutVertex)
- For each foil apply the cut on sieve (cutsieve) . We need to cut on each column then every hole we see .
- After all the cuts select all event in data file.
- then run optimization code
- check results and fix problem.