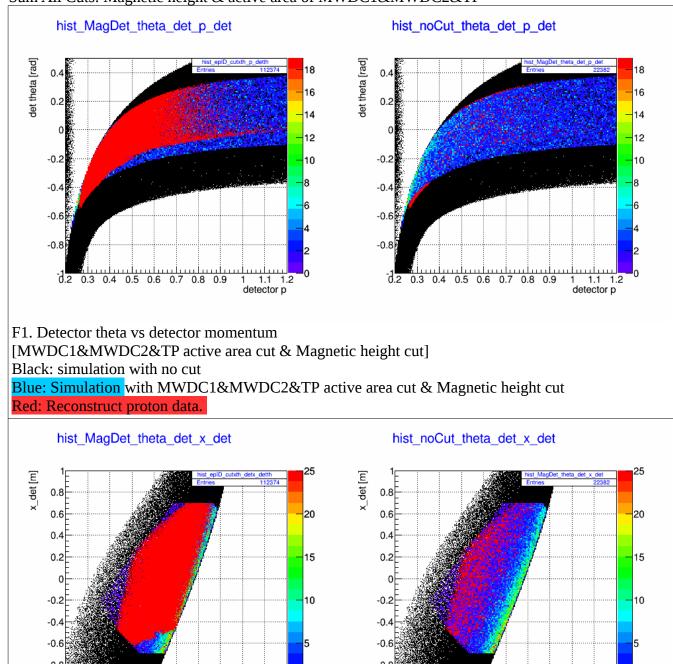
## I. Testing the simulation with the data

Sum All Cuts: Magnetic height & active area of MWDC1&MWDC2&TP



F1.2. Detector theta vs detector x [MWDC1&MWDC2&TP active area cut & Magnetic height cut]

-0.8 -0.6 -0.4 -0.2

0

0.2 0.4

0.6 0.8

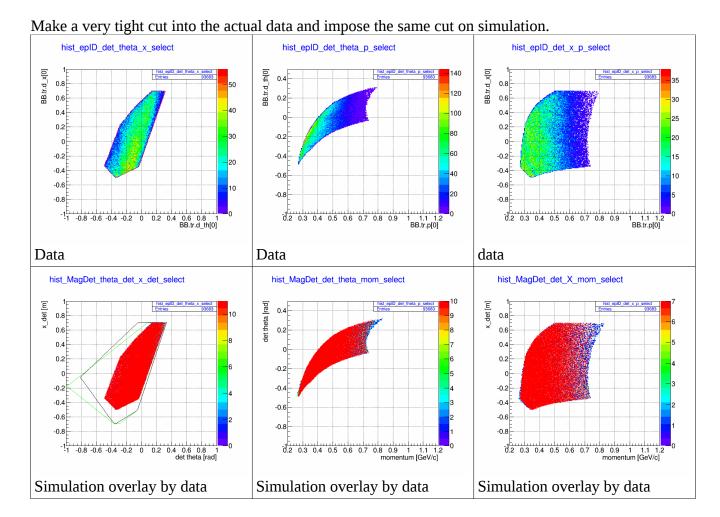
The data are "within" the area of the simulation.

0

0.2 0.4

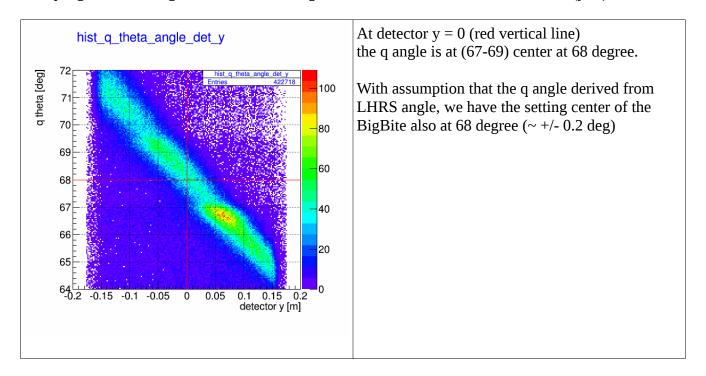
0.6 0.8

-0.8 -0.6 -0.4 -0.2

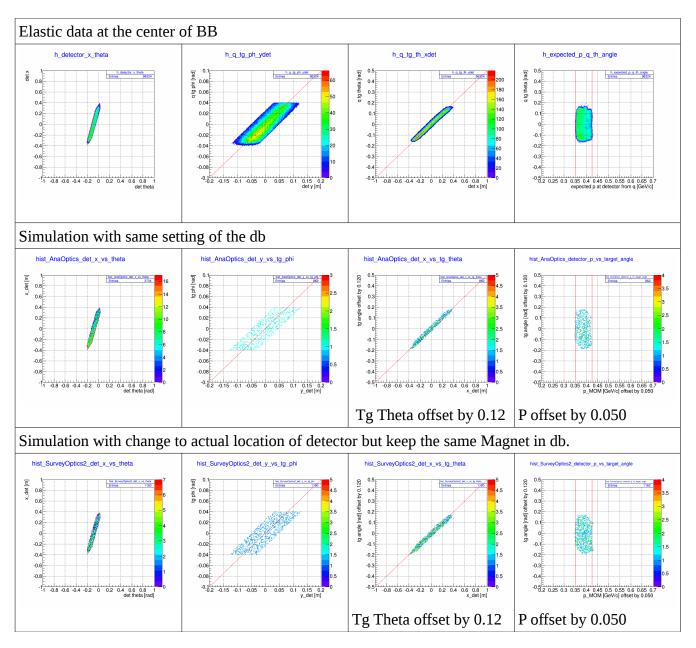


The simulation & the data are almost the same shape with the same cut.

- II. testing the elastic q parameters with the simulation & the reconstruction of BB.
- 1. checking the q angle respected to the center angle of BB. The q angle that coming into the center of Bigbite will hit at the center of the detector ( $y\sim0$ ).



With this, we translate the scattering angles of  $\boldsymbol{q}$  in term of in-plane and out-of-plane angles.



The reconstructions at the center of the BB give the same shape in term of tg angle and p with offset 0.12 and 0.050 respectively.

