

***Meeting 3 /5 /2018:  
Asymmetry on MSD, SCN and CAL due to magnetic field***

Geometry:

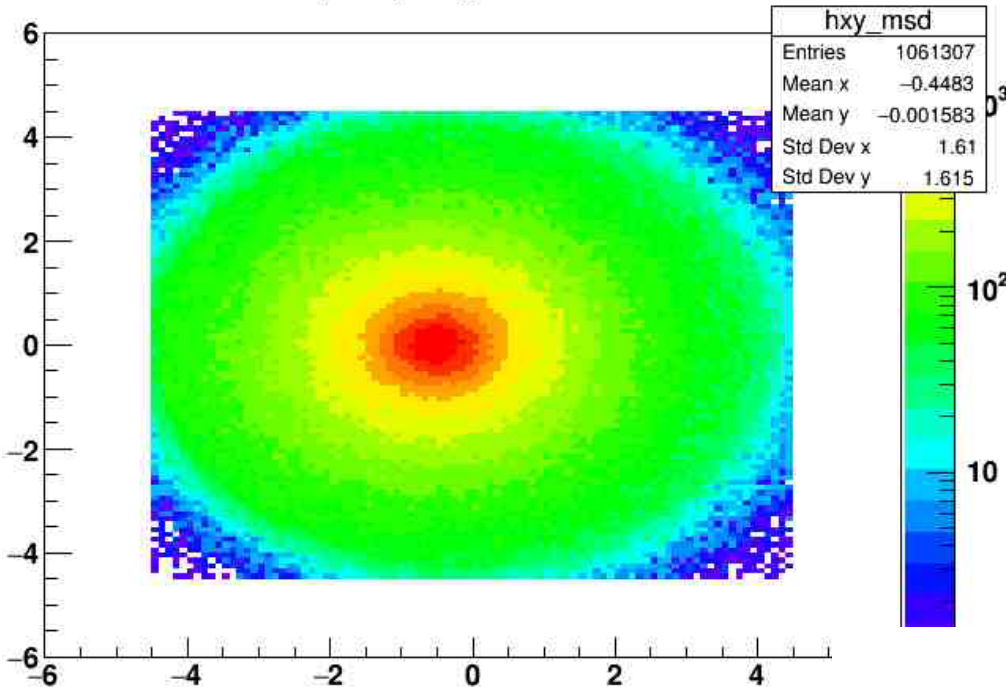
- ❑ V14.1.1 (magnet of 7 cm)
- ❑ V14.0.1 (magnet of 10 cm)

Selection:

- ❑ Tracks that deposit energy on all the sub-detectors

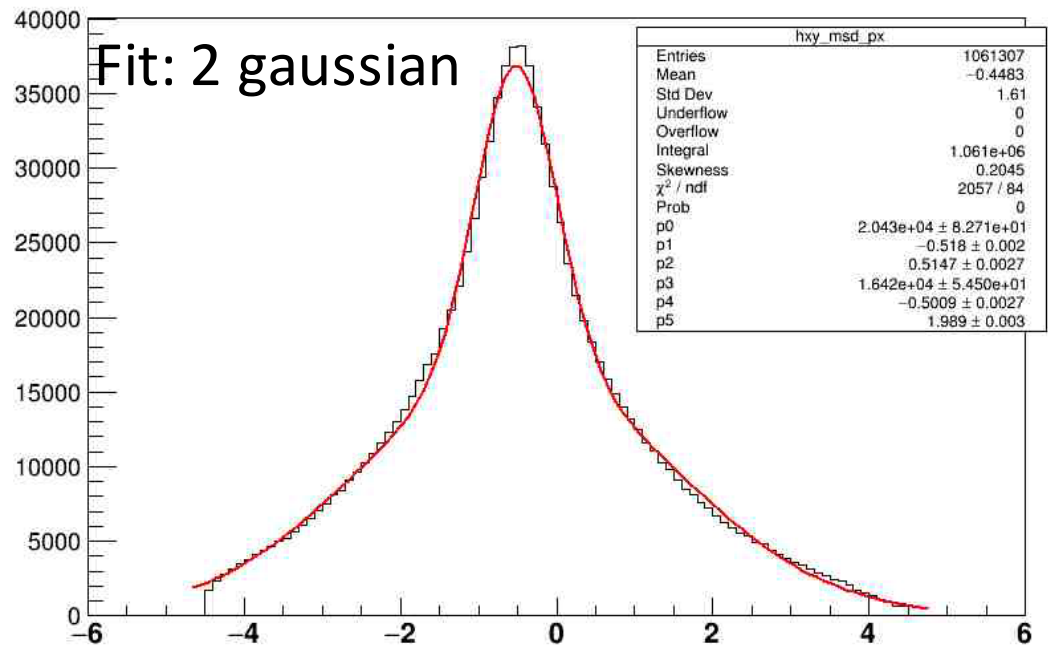
**V14.1.1 (magnet 7 cm): MSD**

occupancy long tracks in MSD



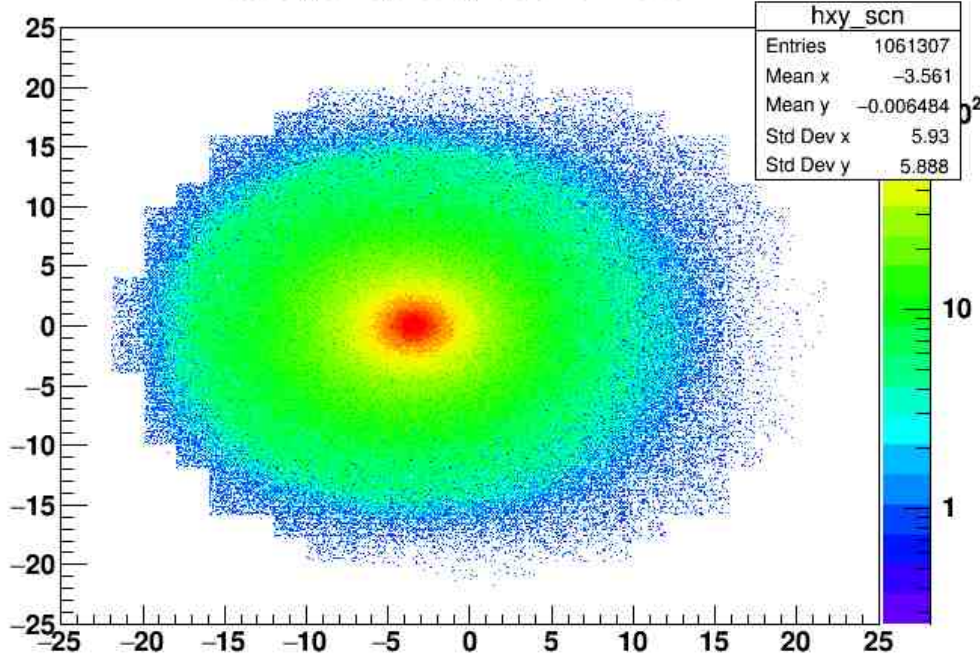
occupancy long tracks in MSD

Shift: -0.5 cm

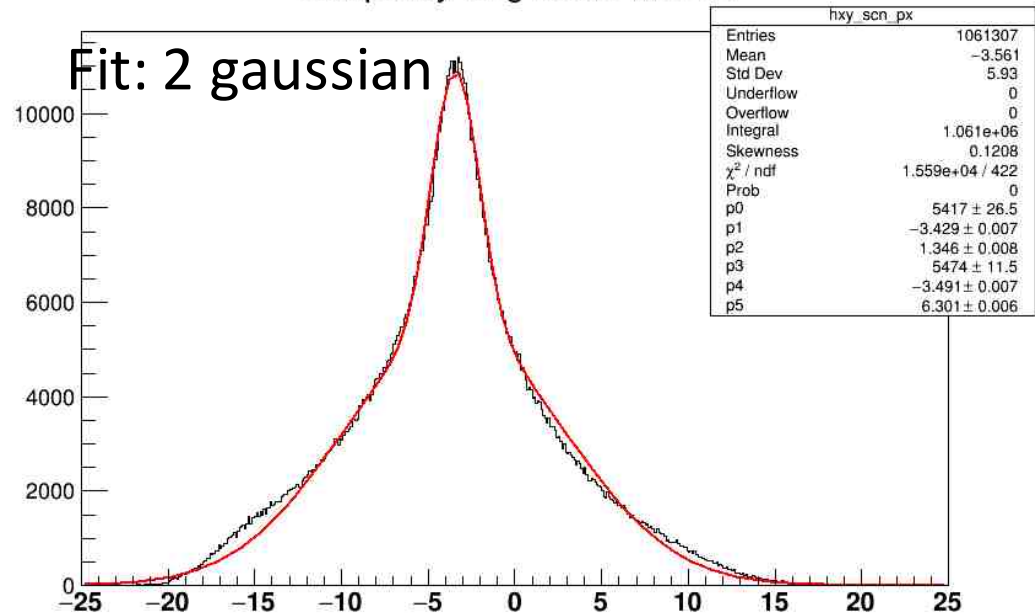


**V14.1.1 (magnet 7 cm): SCN**

occupancy long tracks in SCN



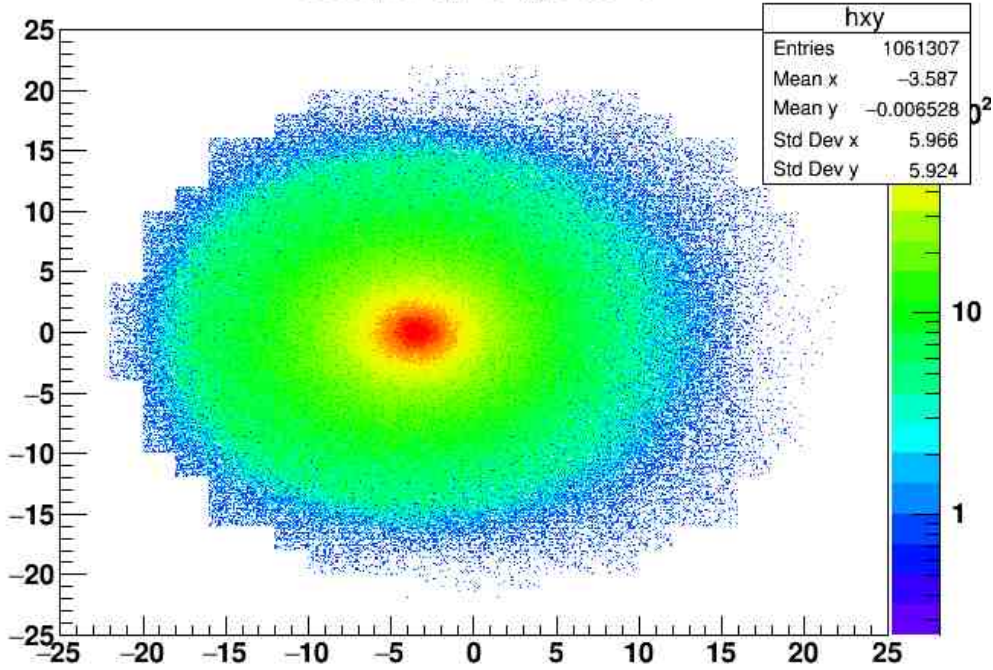
occupancy long tracks in SCN



Shift: -3.4 cm

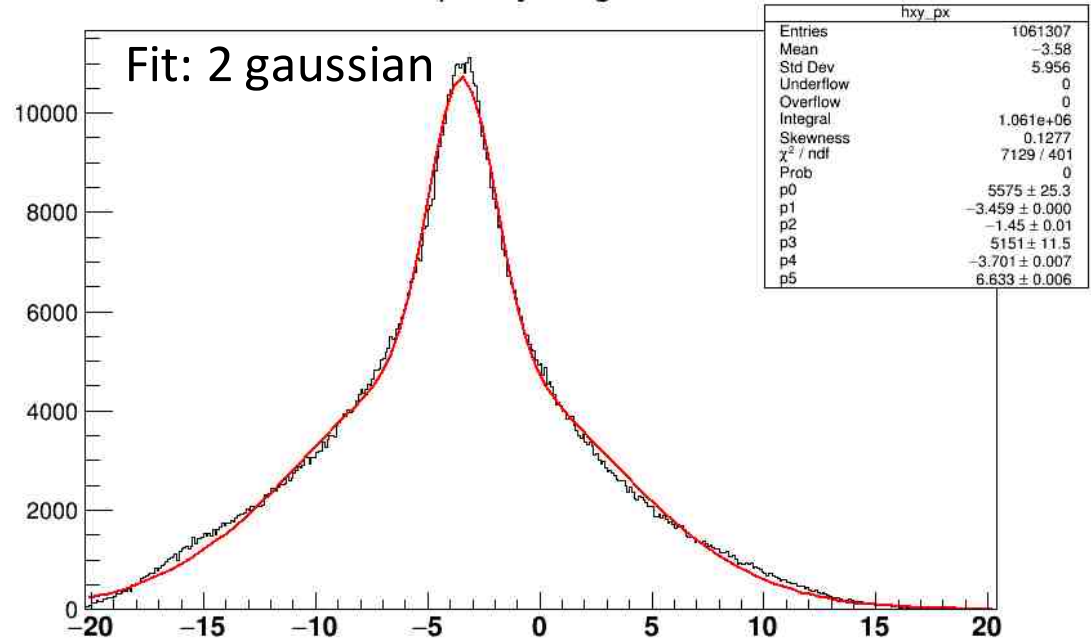
**V14.1.1 (magnet 7 cm): CAL**

occupancy long tracks

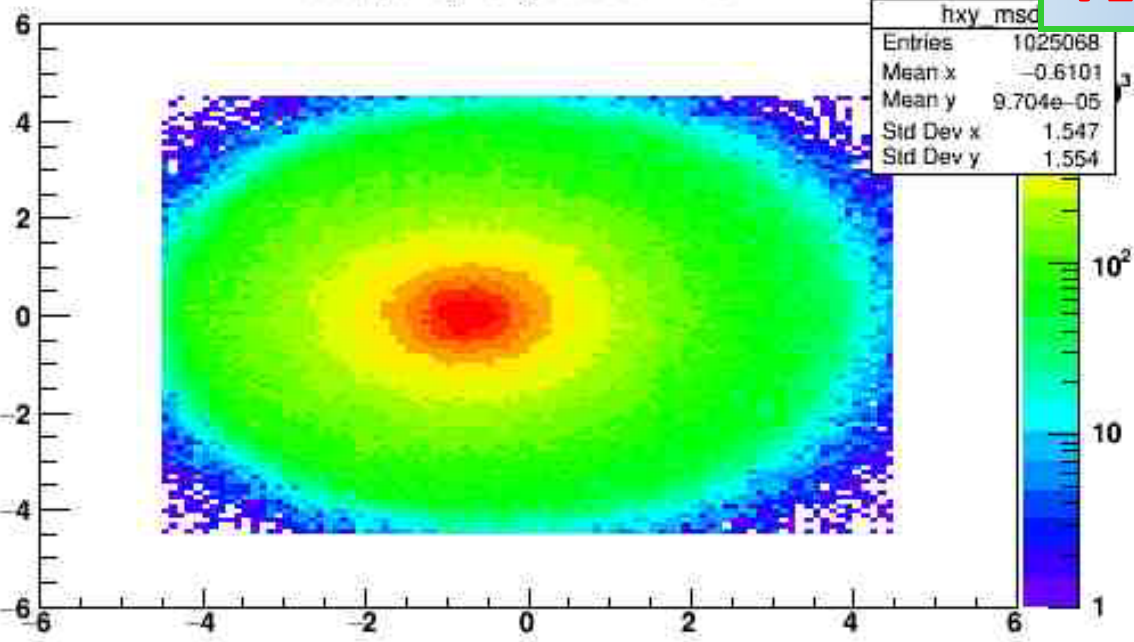


Shift: -3.5 cm

occupancy long tracks

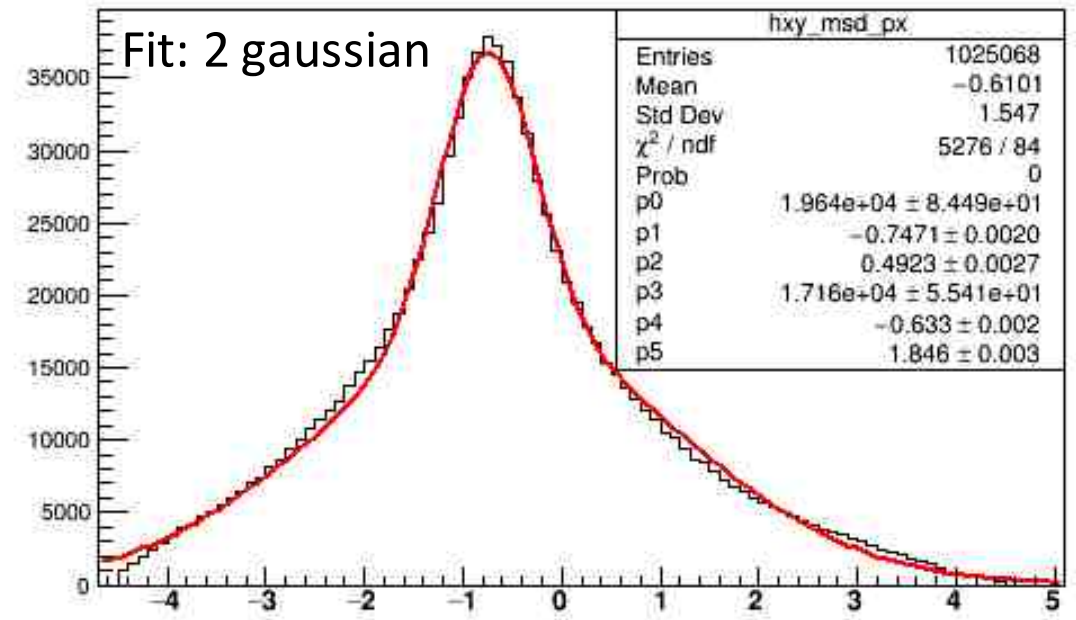


occupancy long tracks in MSD



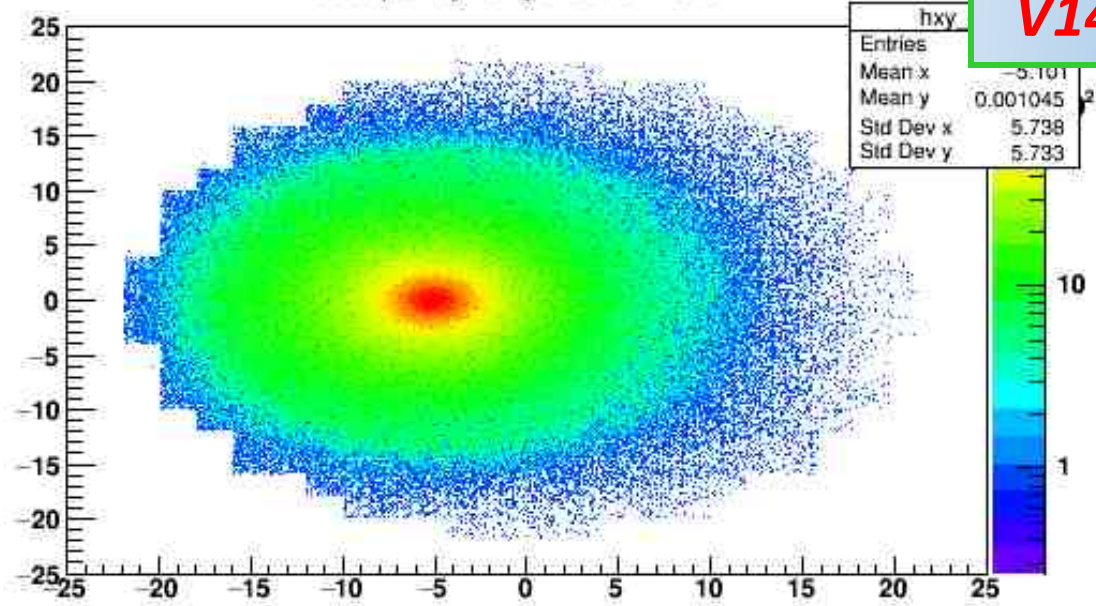
occupancy long tracks in MSD

Shift: -0.7 cm



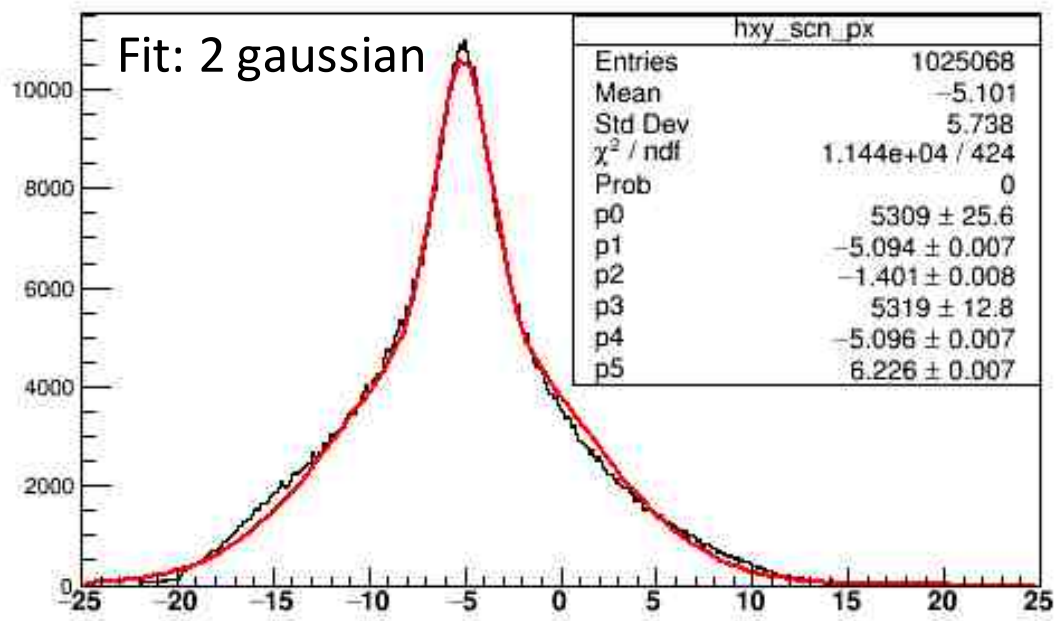
V14.0.1 (magnet 10 cm): SCN

occupancy long tracks in SCN



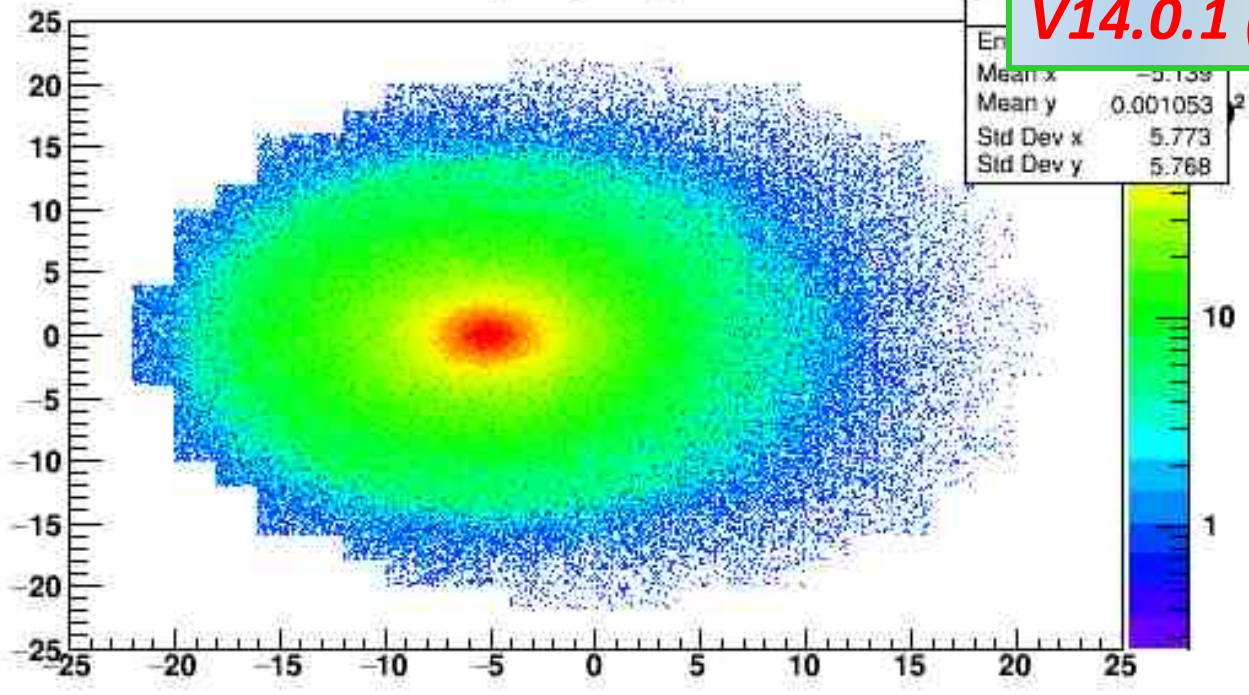
occupancy long tracks in SCN

Shift: -5.1 cm



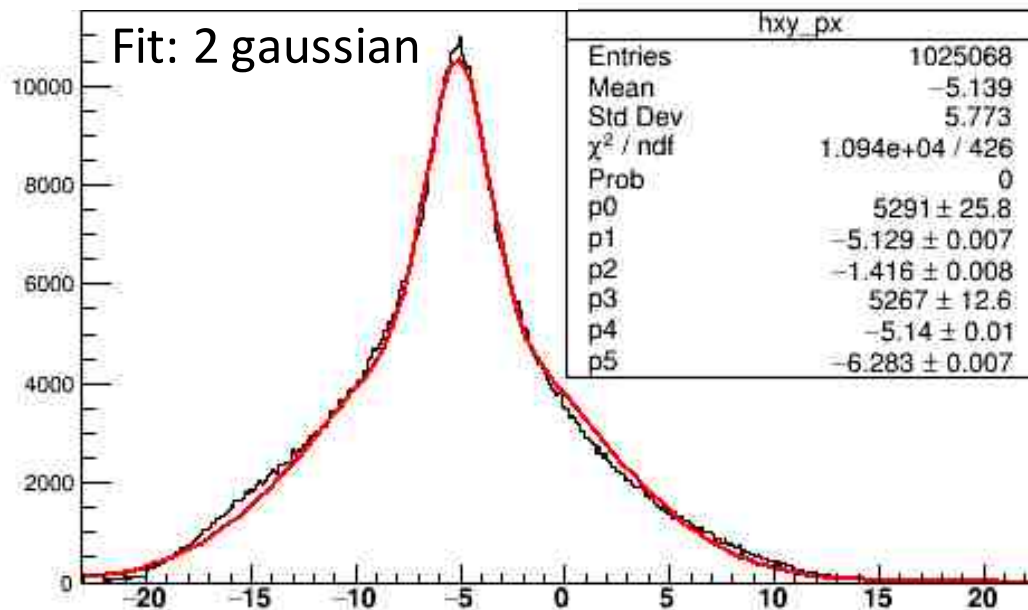
occupancy long tracks

V14.0.1 (magnet 10 cm): CAL

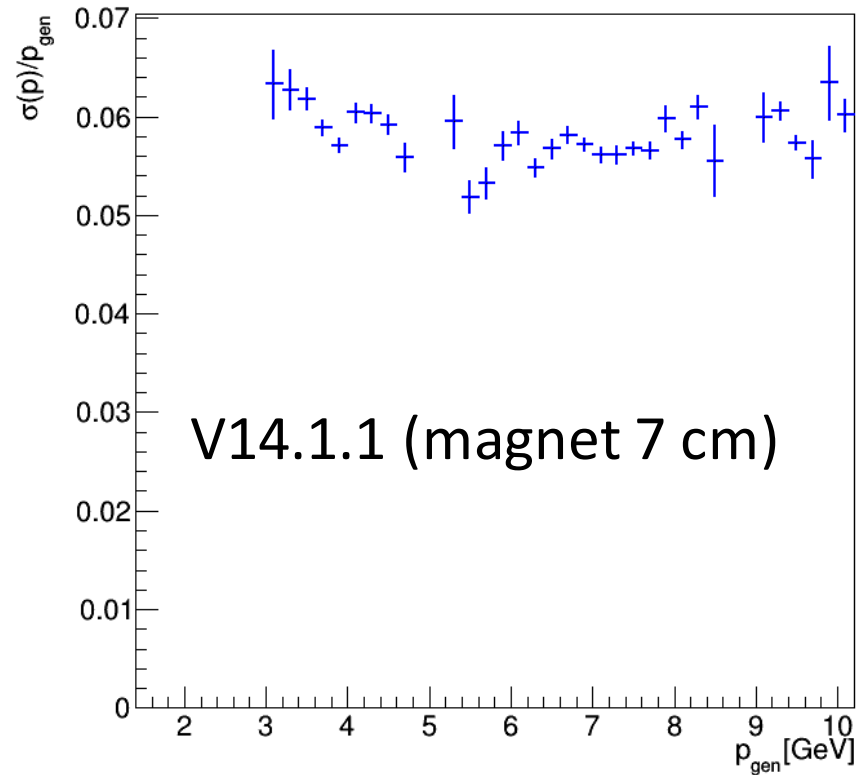
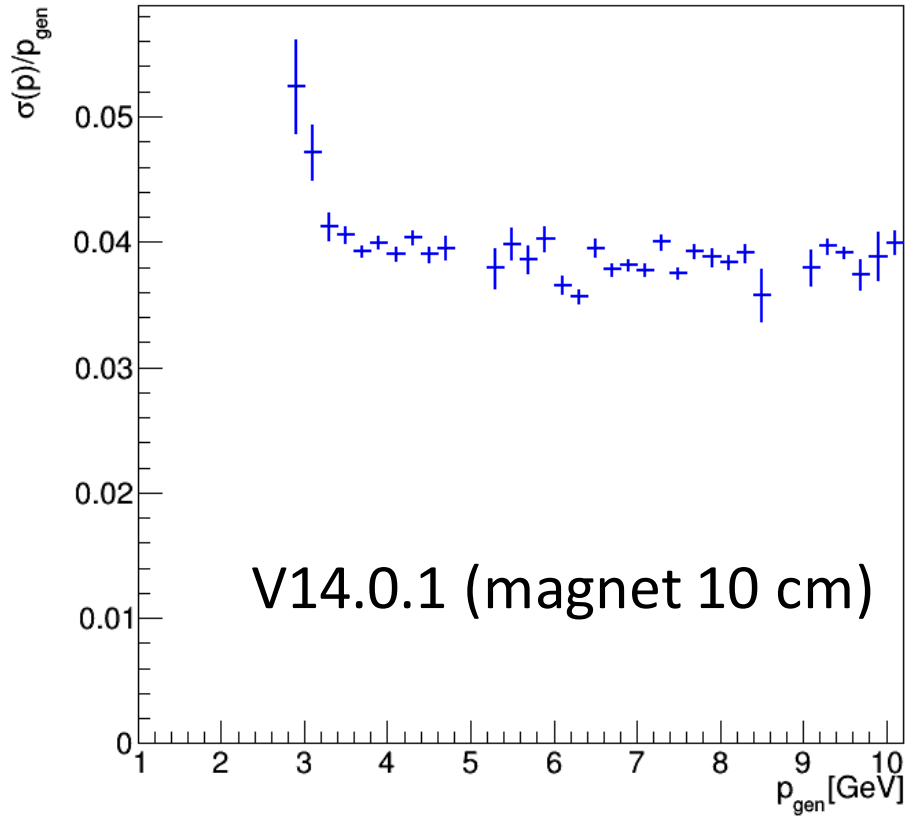


long tracks

Shift: -5.1 cm



## Momentum resolution





# *Calorimeter barrels*

Secret!!!!

