

DESY Test Beam Data

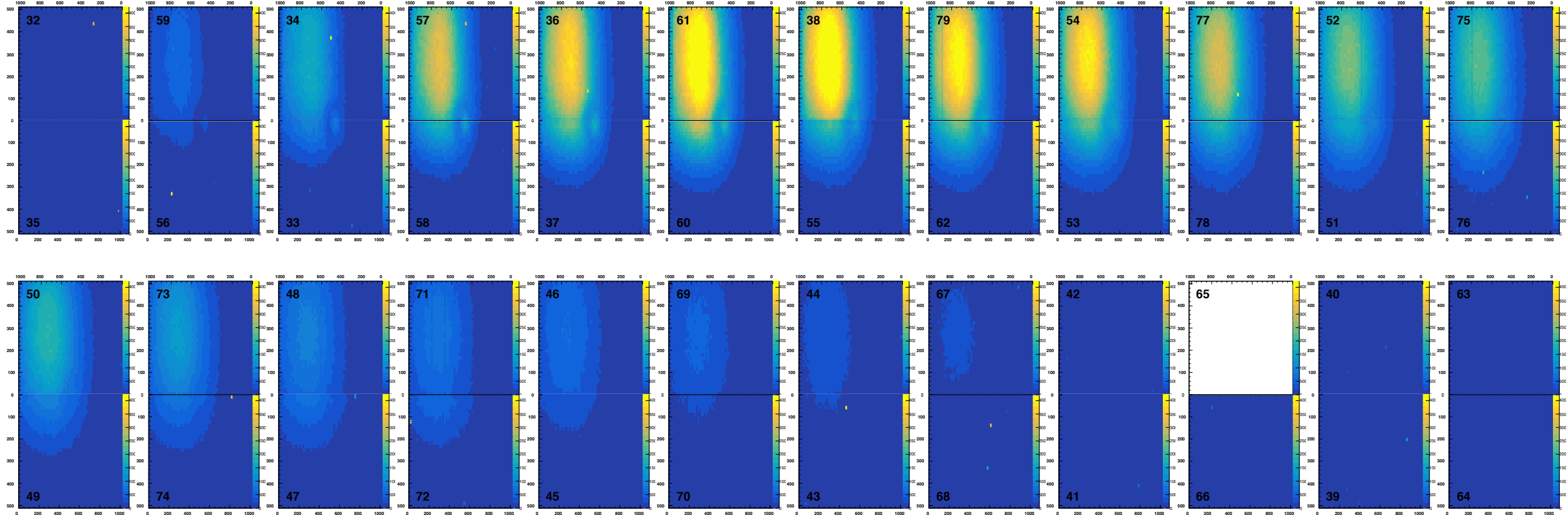
Feature

mTower Analysis Meeting

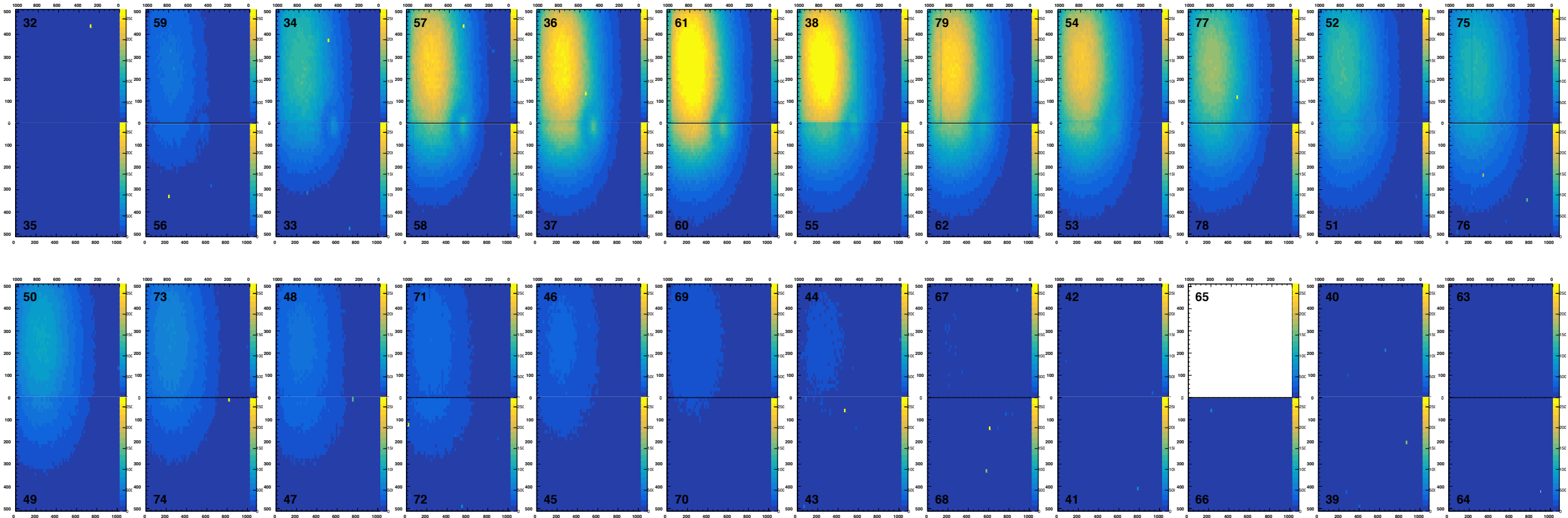
Fabian Pliquett

11.03.2020

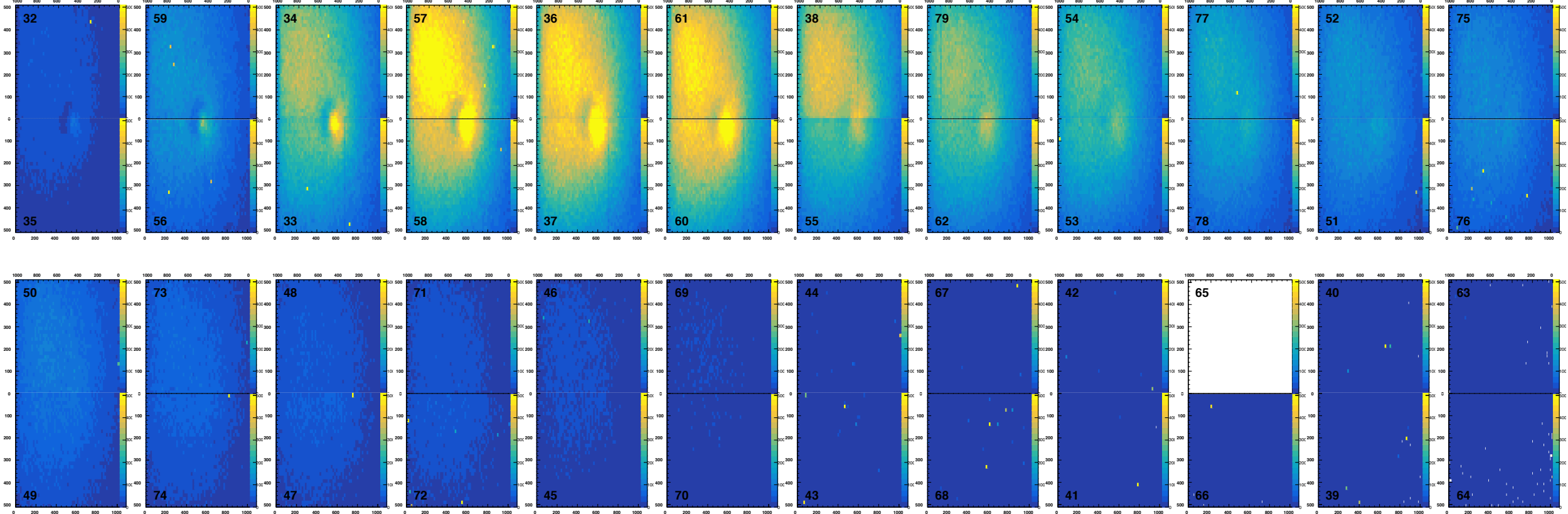
Hit Map Run 1279 – 5 GeV



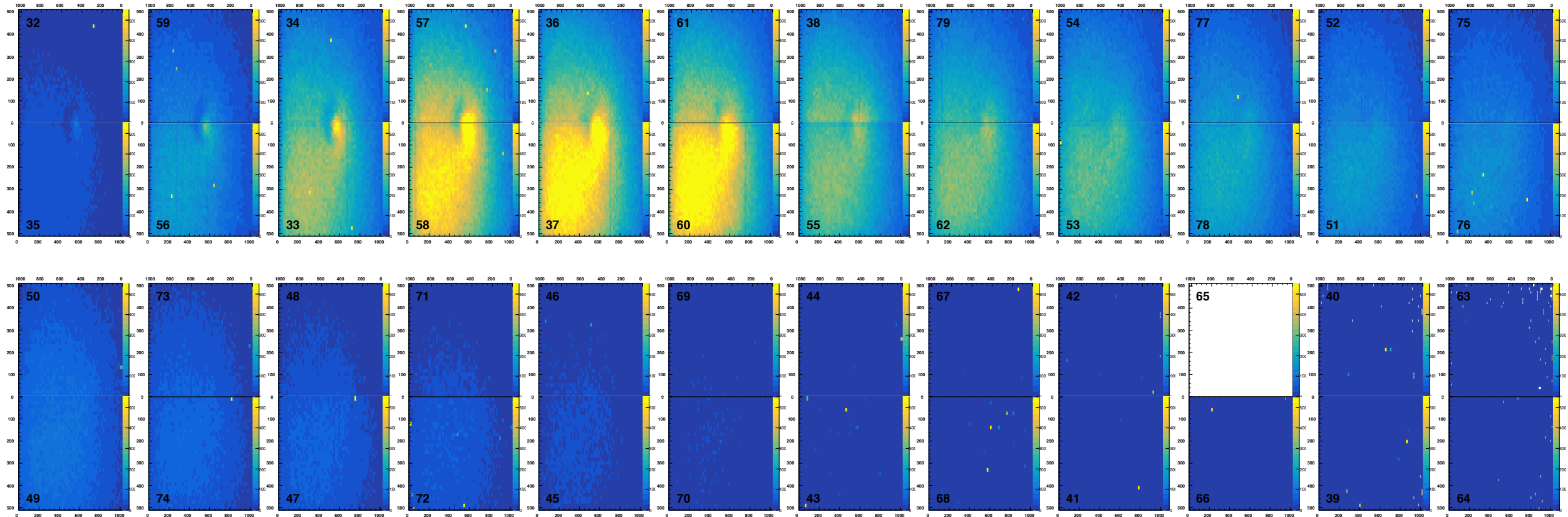
Hit Map Run 1280 – 3 GeV



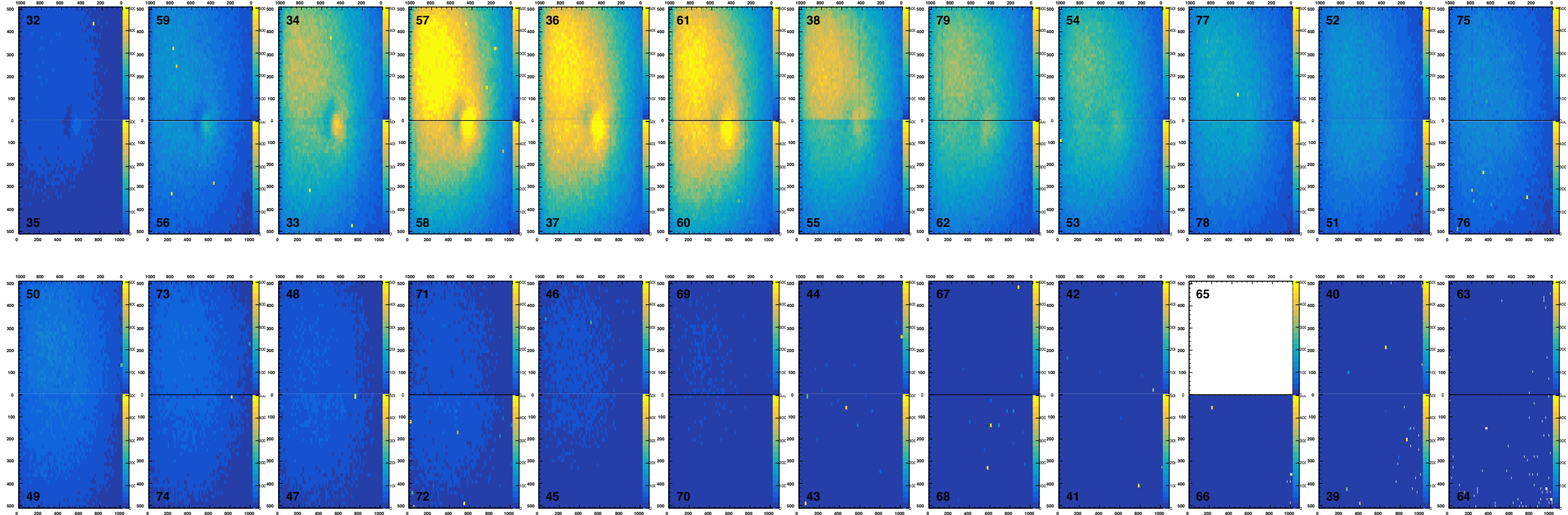
Hit Map Run 1284 – 1 GeV



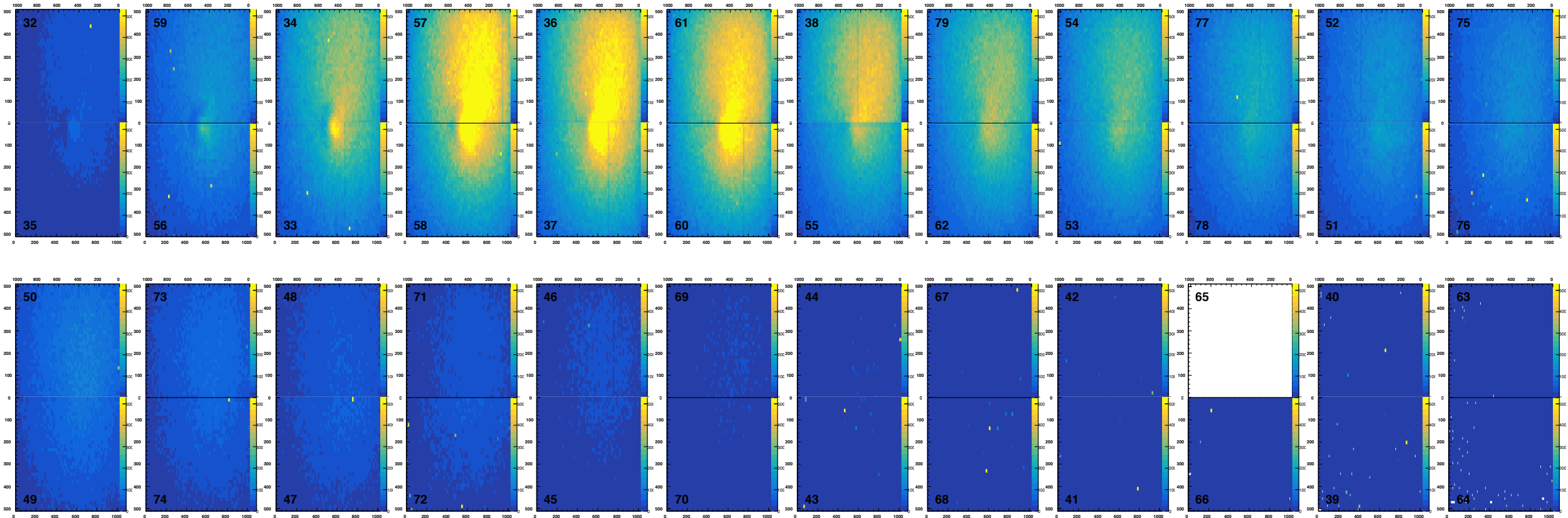
Hit Map Run 1283 – 1 GeV



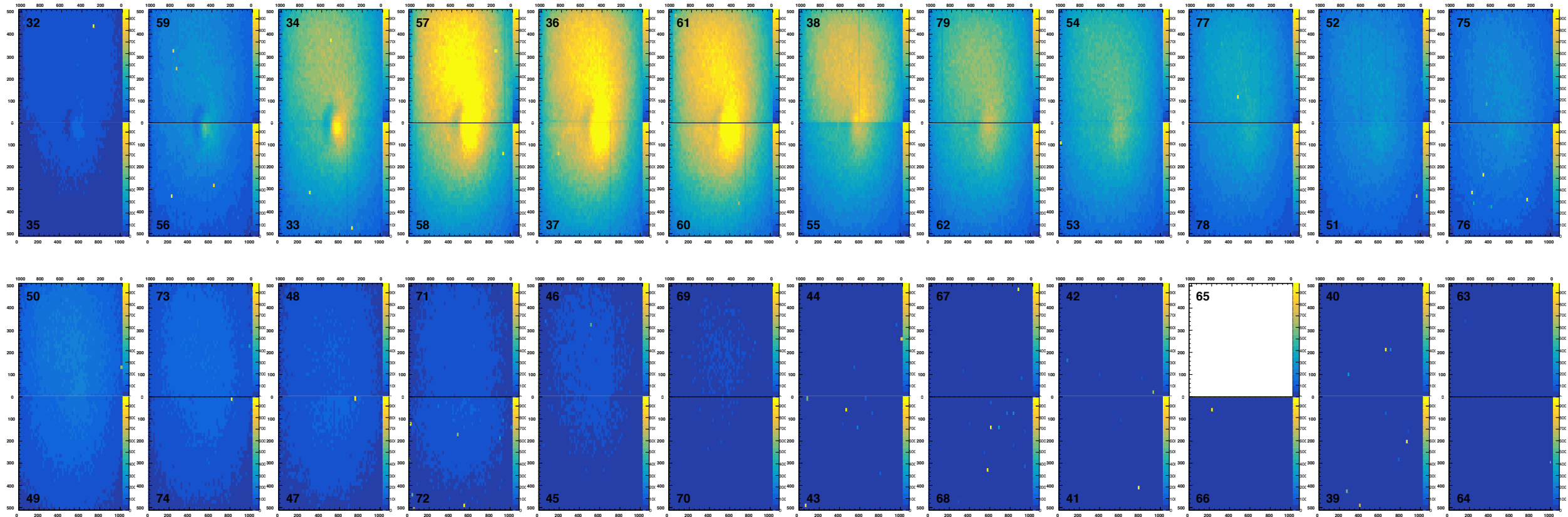
Hit Map Run 1380 – 1 GeV



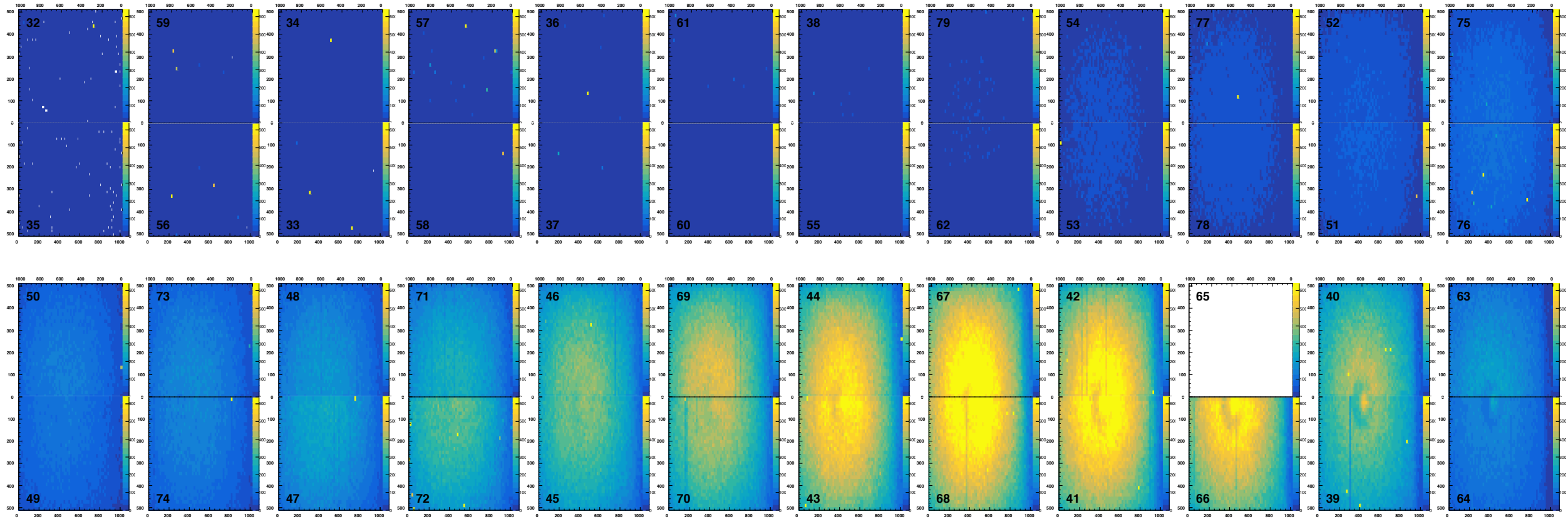
Hit Map Run 1384 – 1 GeV



Hit Map Run 1391 – 1 GeV



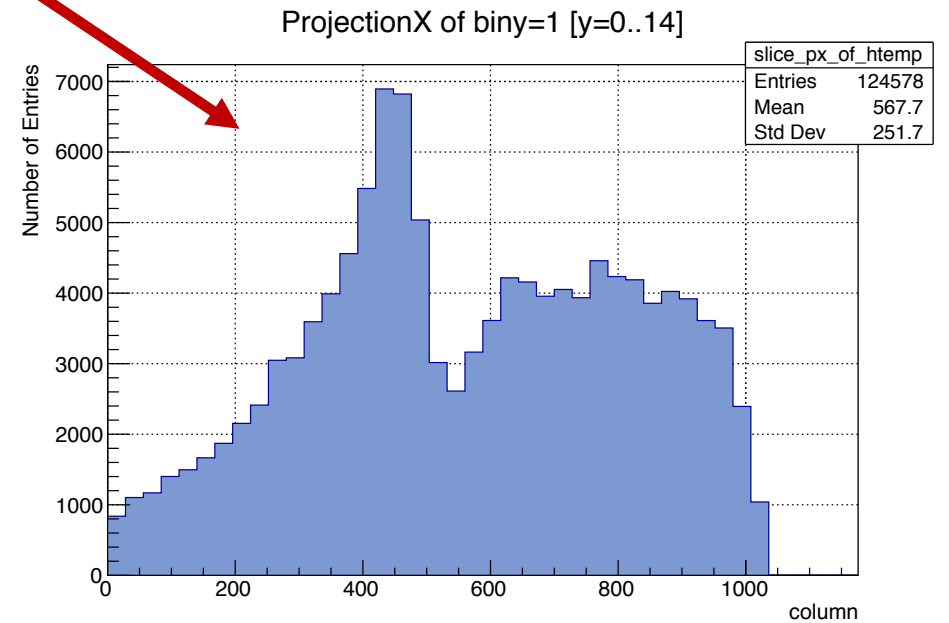
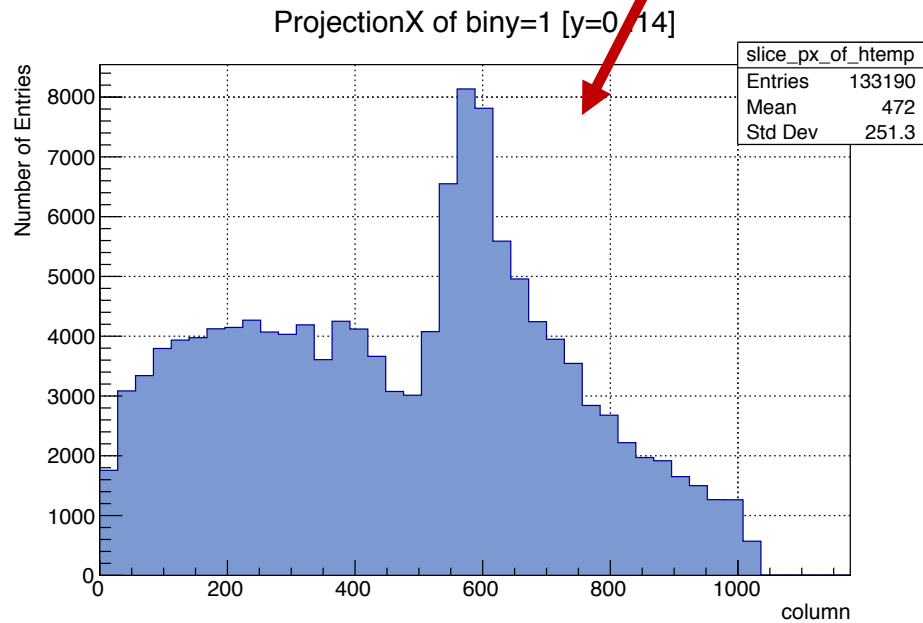
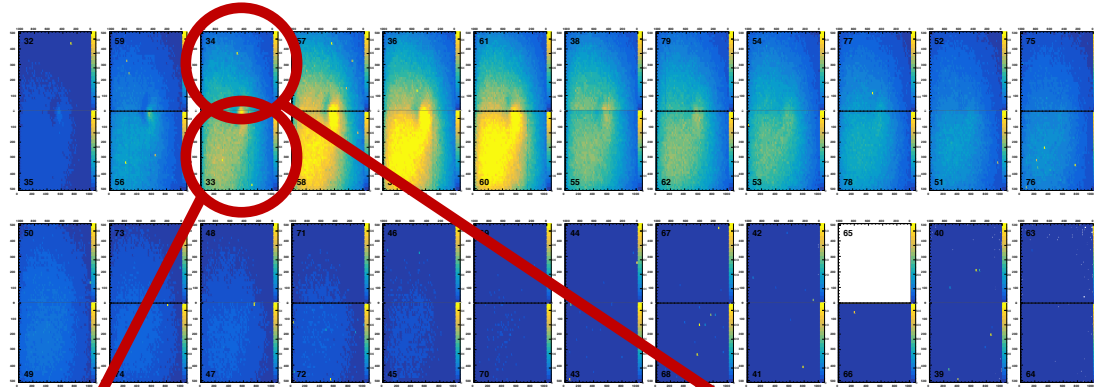
Hit Map Run 1460 – 1 GeV



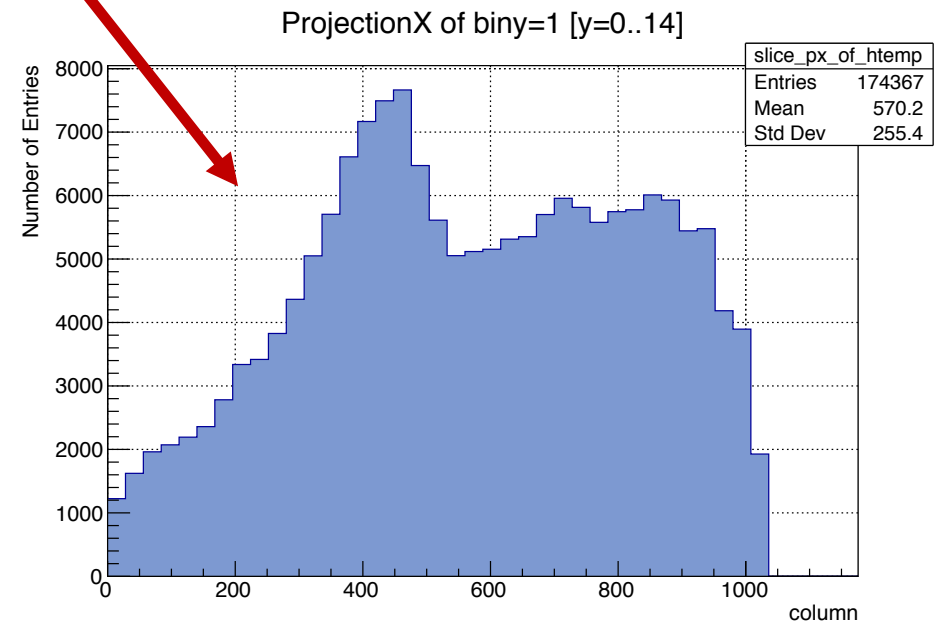
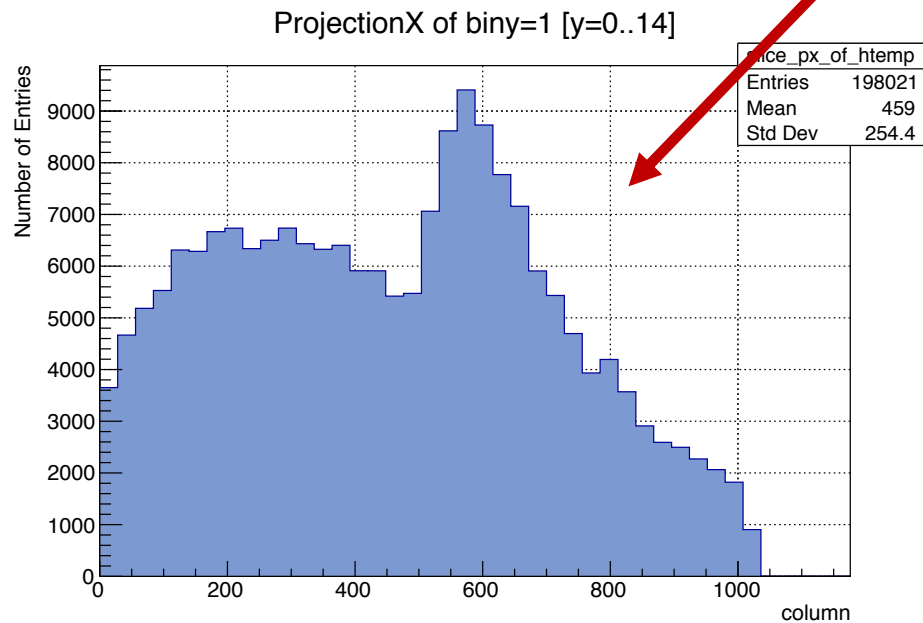
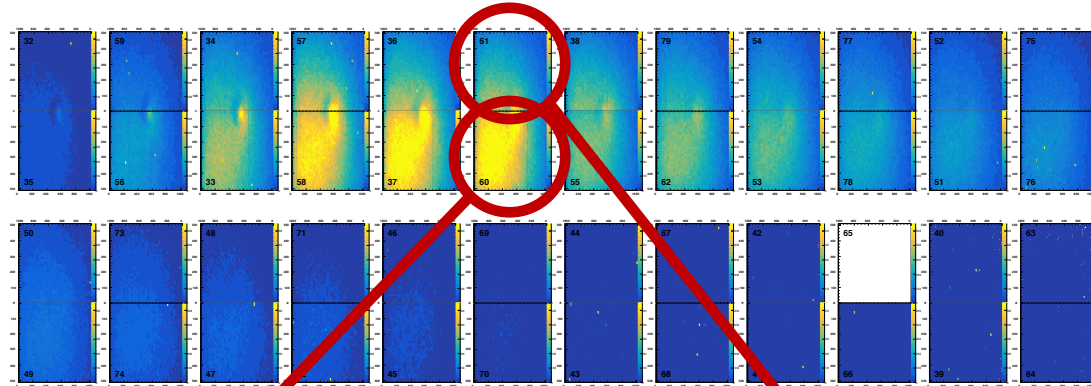
Conclusions

- definition of the feature:
structure in the middle of hit maps (increase/decrease of number of hits) seen throughout data taking
- feature independent of:
 - beam energy
 - beam position
 - layer number
 - time of data taking

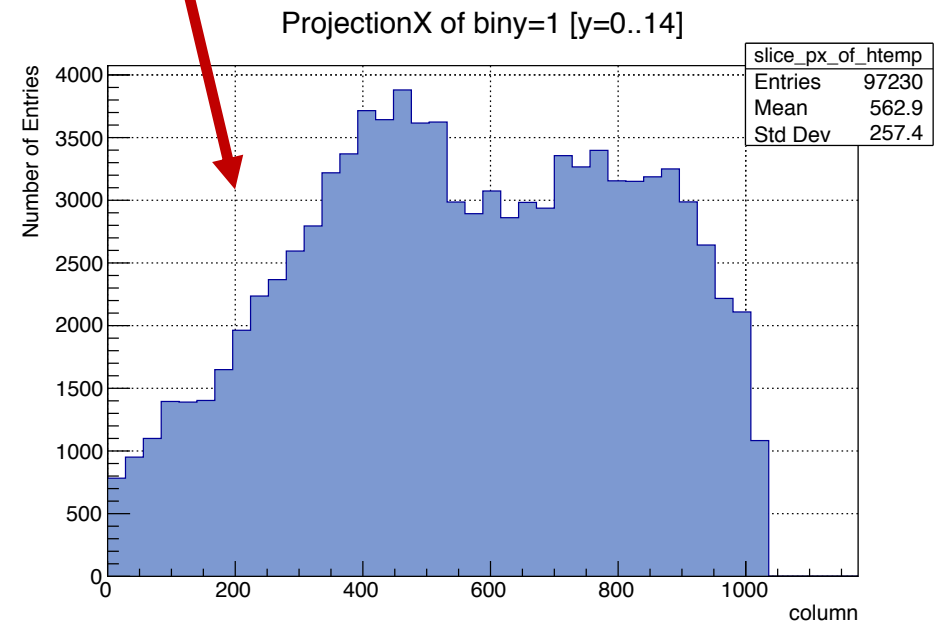
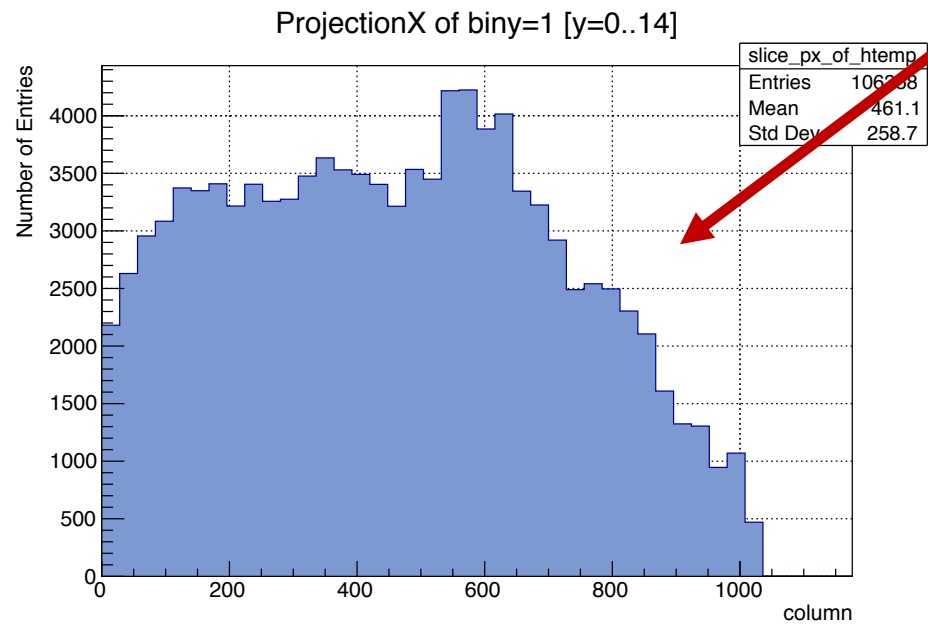
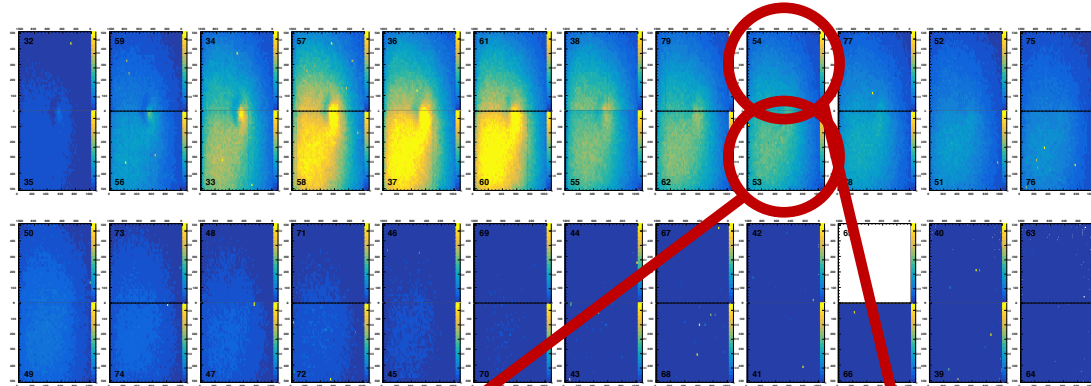
Hit Map Run 1283 – 1 GeV



Hit Map Run 1283 – 1 GeV



Hit Map Run 1283 – 1 GeV



Hit Map Run 1283 – 1 GeV

