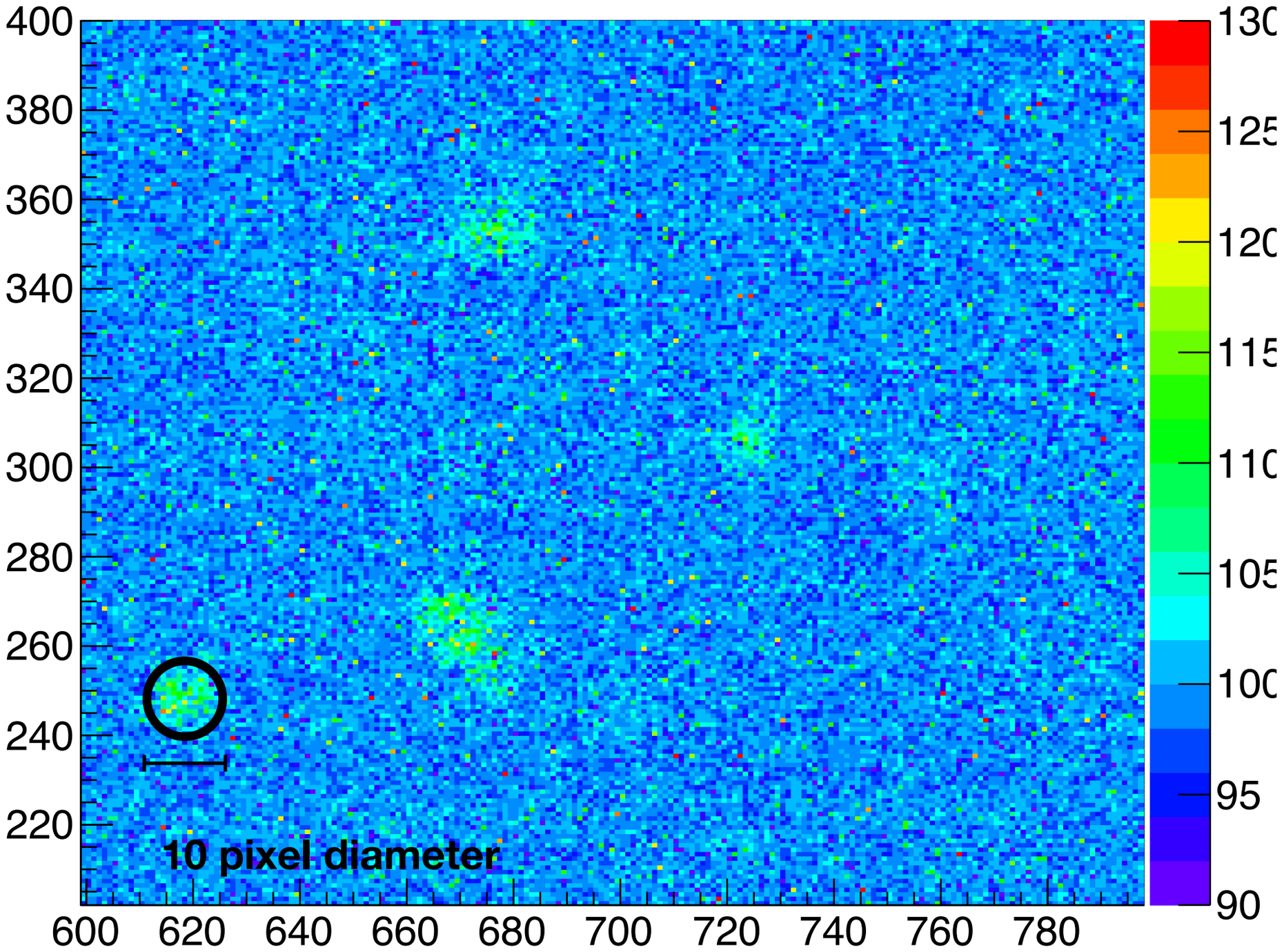
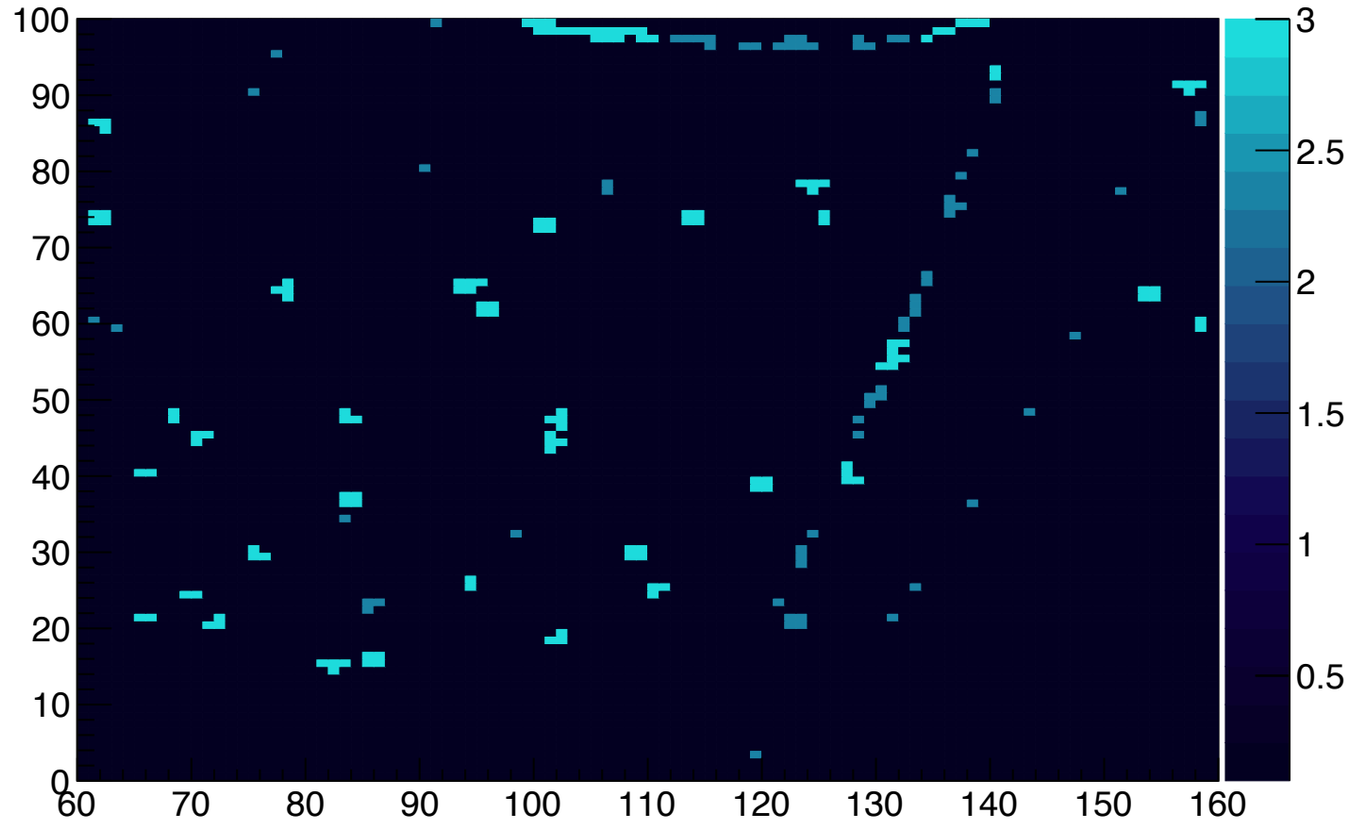
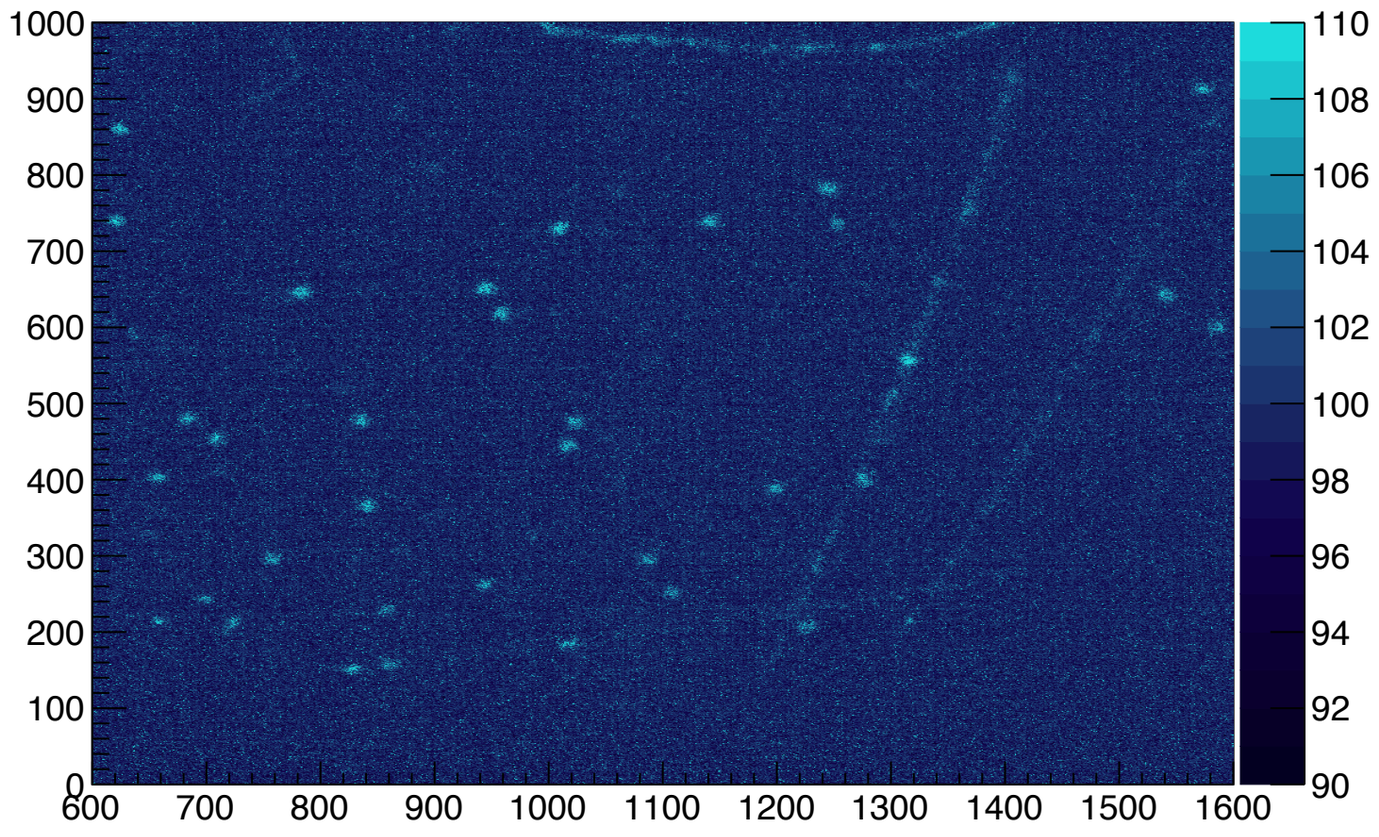
LEMON: 55Fe 15 cm far from the GEM

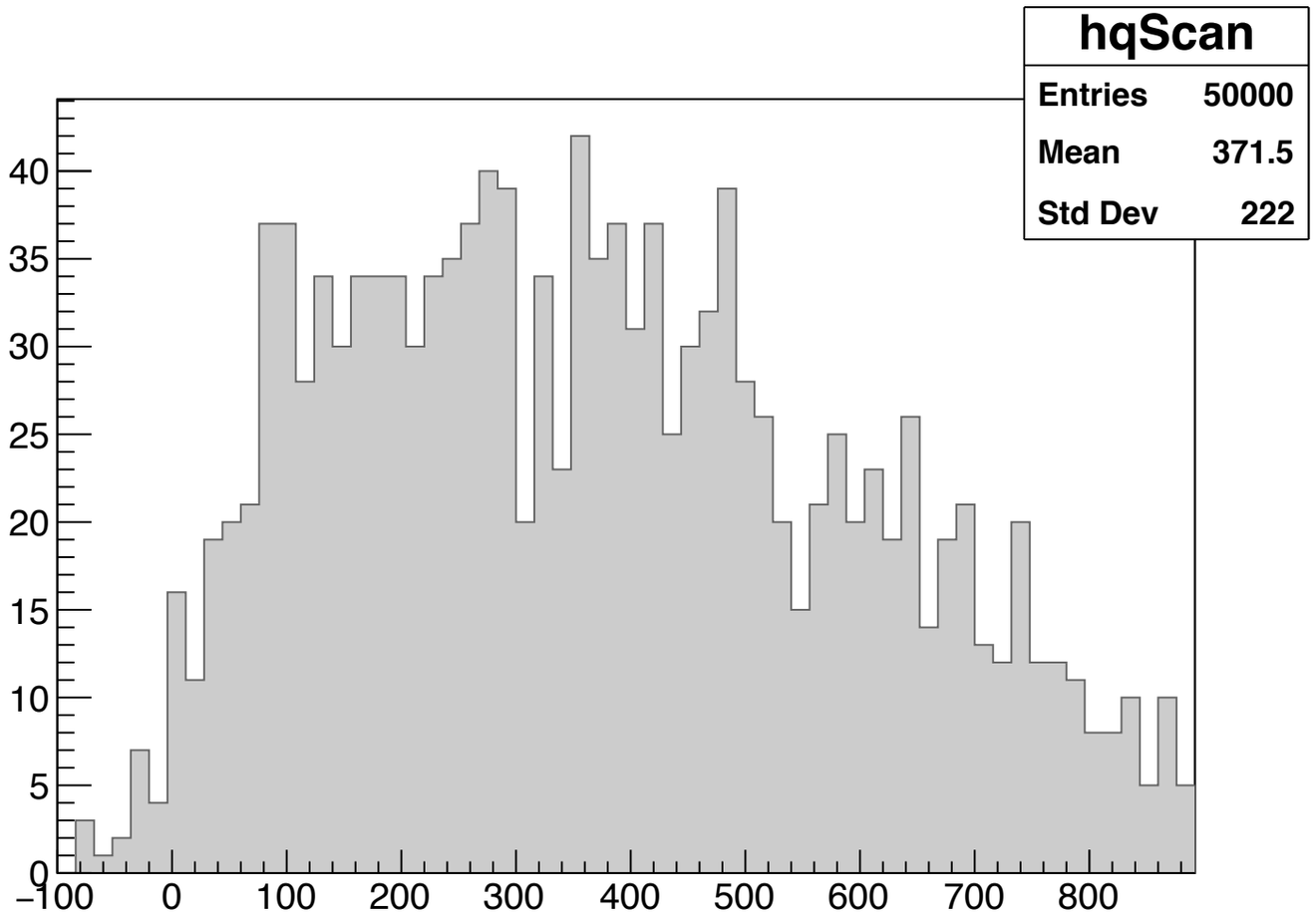


Spots have a 10 pixel diameter: (3.14/4)*100 pixel area = 78 pixel area

Clustering algorithm







We collect 300 ph/spot i.e. 300ph/6000 eV = 1ph/20 eV

Each pixel has a 2 photon noise.
A spot has sqrt(78)*2 noise: i.e. 18 photons.
The pedestal sigma would be: 360 eV -> 5 sigma is less than 2 keV.