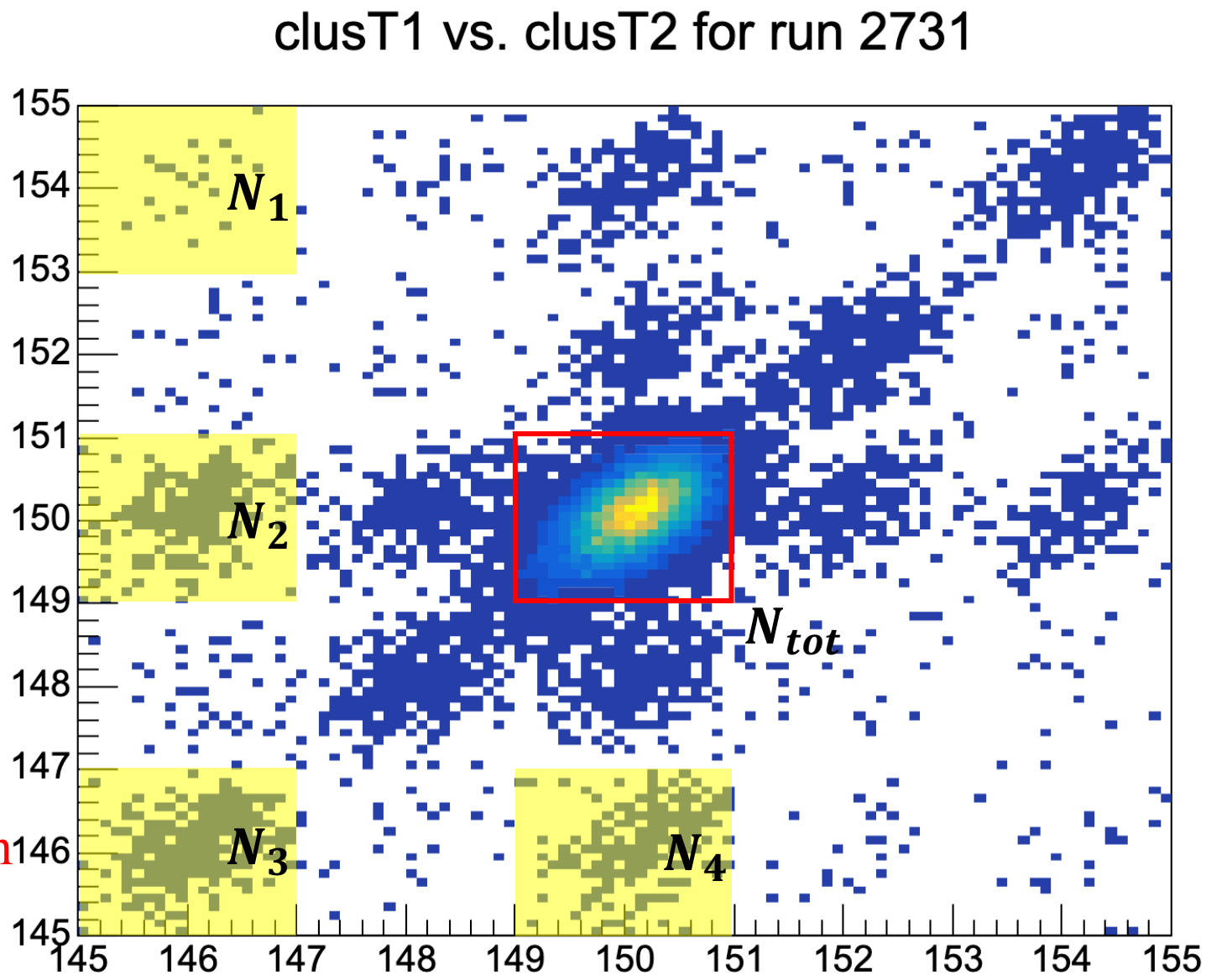
Outline

1. Charge normalized π^0 yield results
2. Charge normalized DVCS yield results
3. A summary about the previous barriers

1. π^0 $clusT_1$ $vs.$ $clusT_2$



3 acc particles

1 acc photon

1 acc electron

1 acc photon

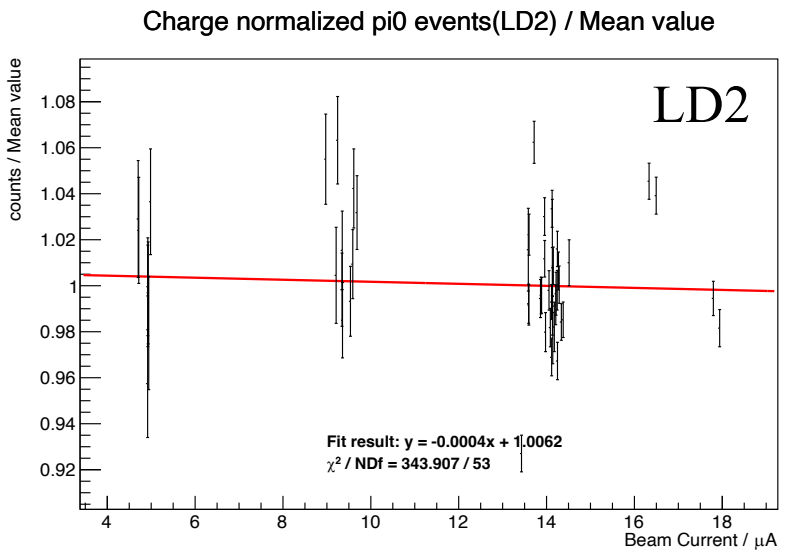
KinC_x50_4

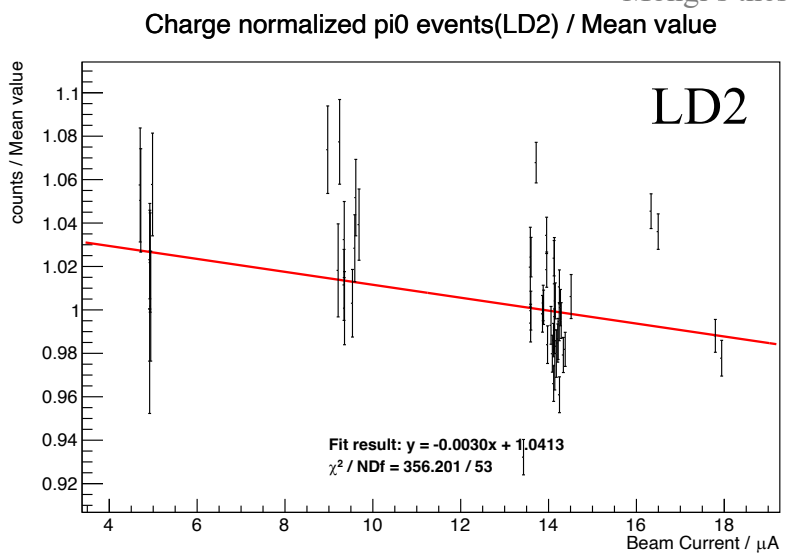
N_{tot} (raw)

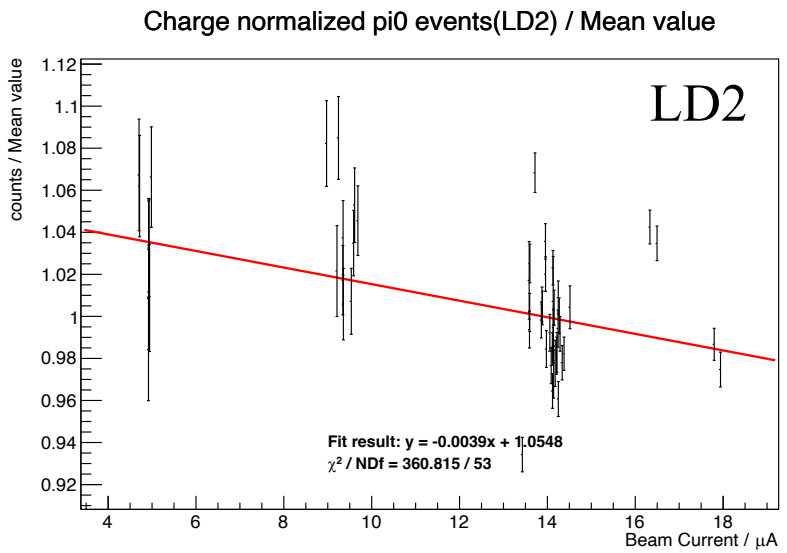
$N_{tot} - N_3 - N_4 + N_1$

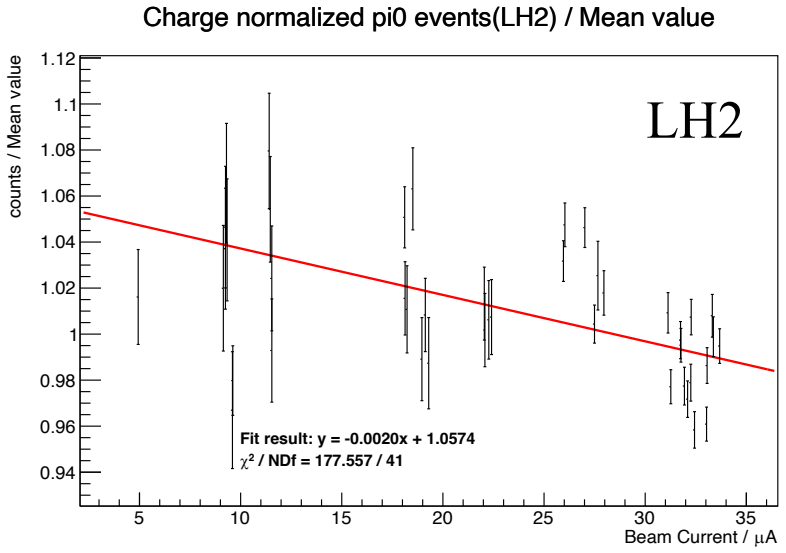
Mongi's thesis

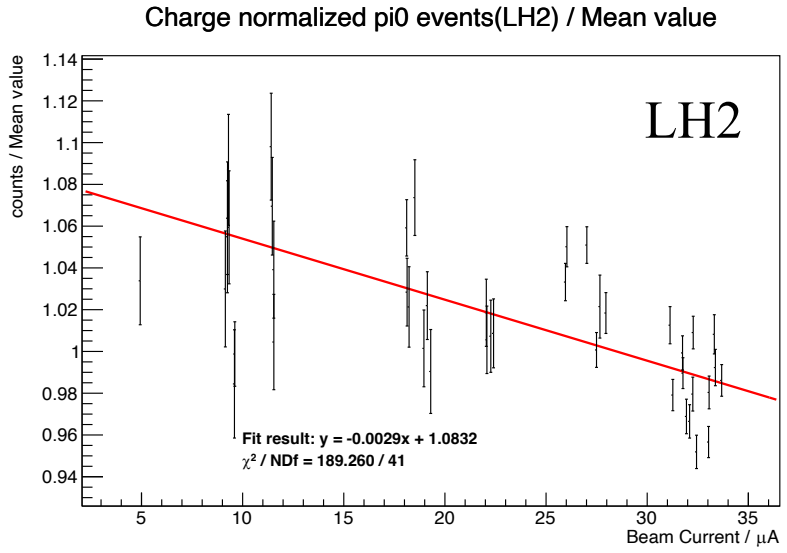
$N_{tot} - N_2 - N_3 - N_4 + 2N_1$

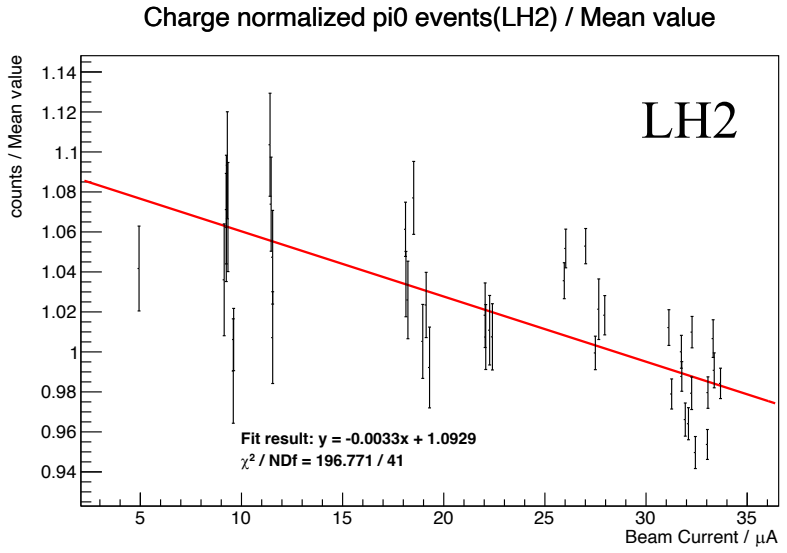












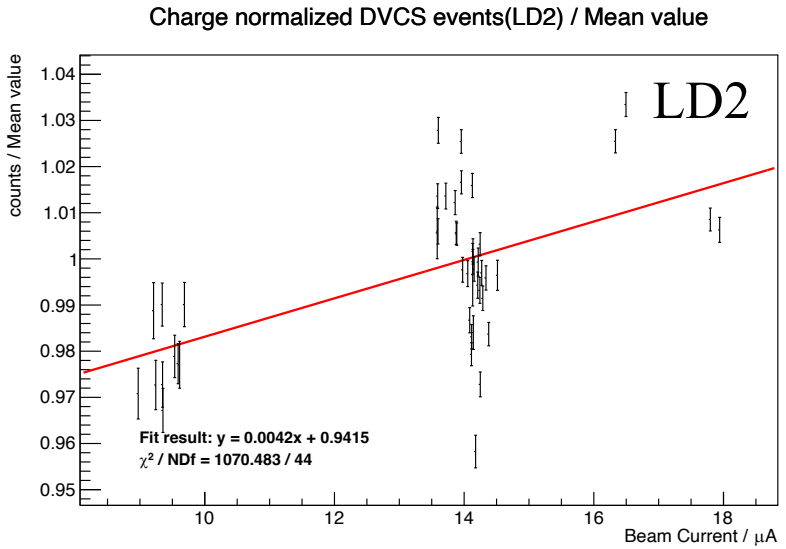
KinC_x50_4

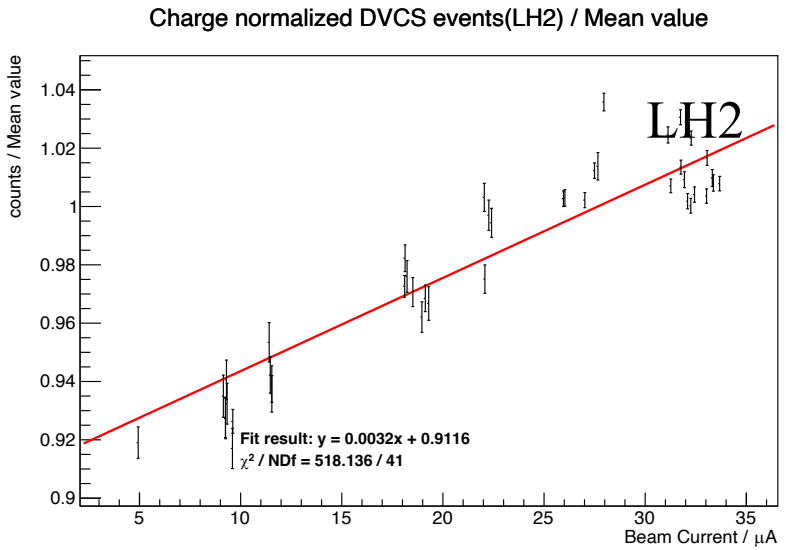
π^0 selection: photon > 1 GeV & 0.1 < Invmass < 0.13

2. DVCS charge normalized yield

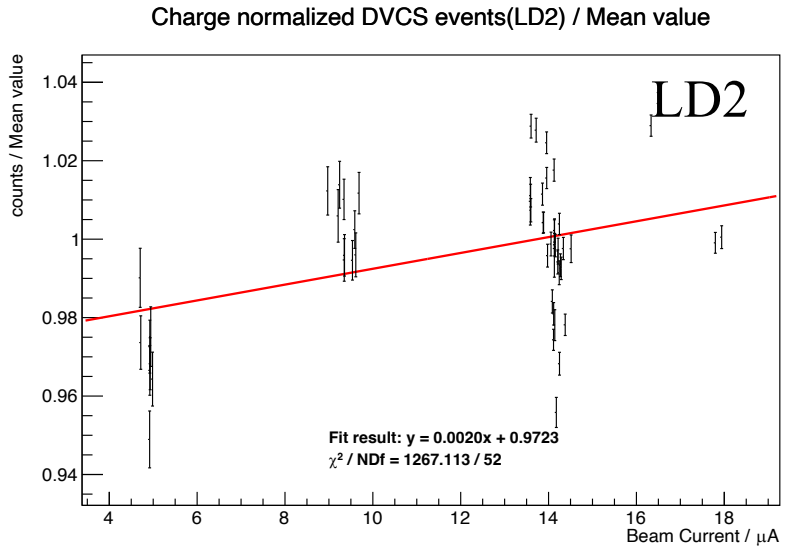
- Only ps6 production good runs (KinC_x50_4)
- Cluster time window: $145 < clusT < 155$
- DVCS event selection: Good timing & Emax > 1.2 / 1.5 / 2.0
- Using the correct clusters:
  - First “nclust” values in the array
  - Ignore nclust=0 events (The main barrier in previous analysis)

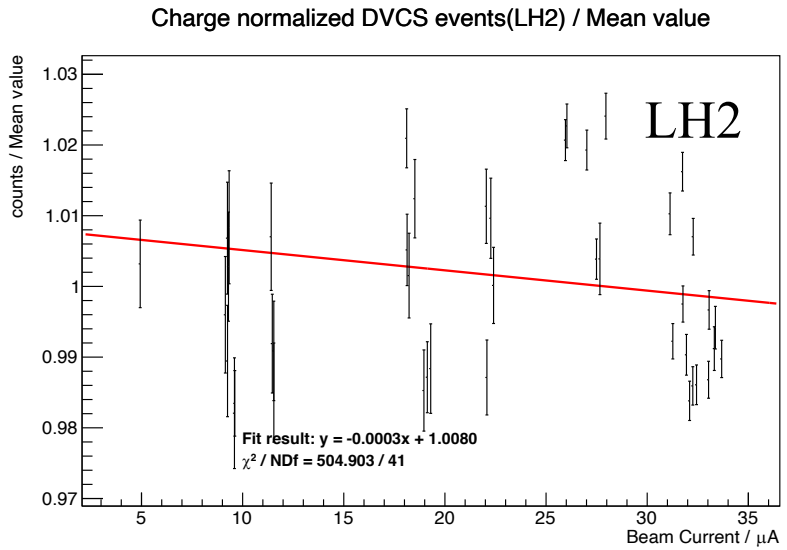
Emax > 1.2





Emax > 1.5





Emax > 2.0