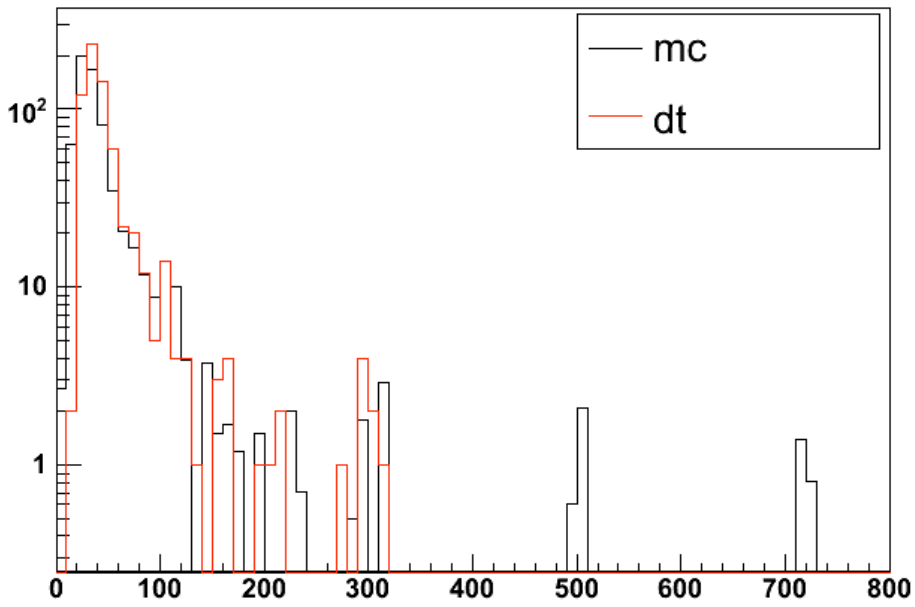
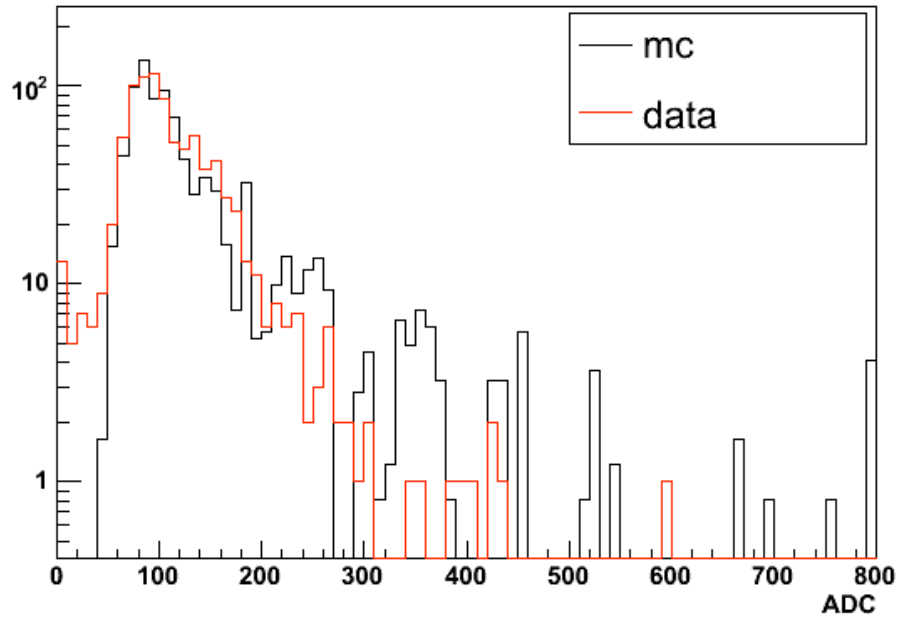
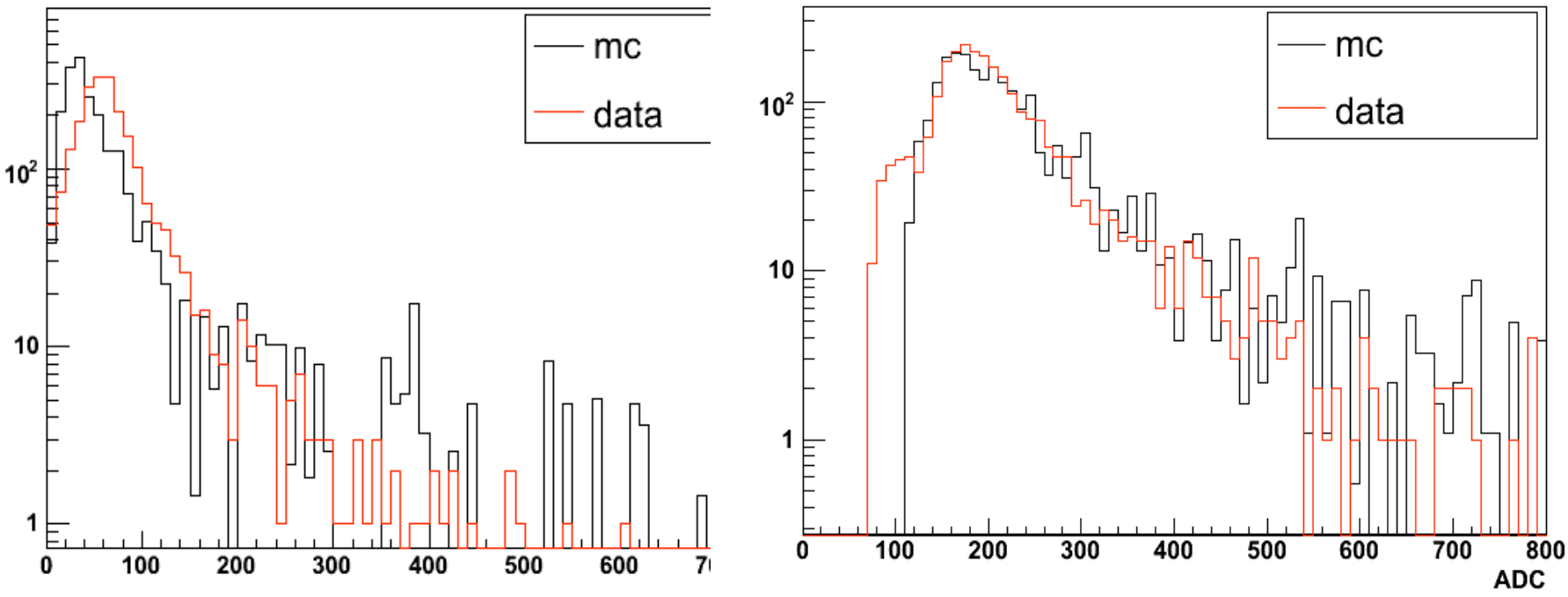
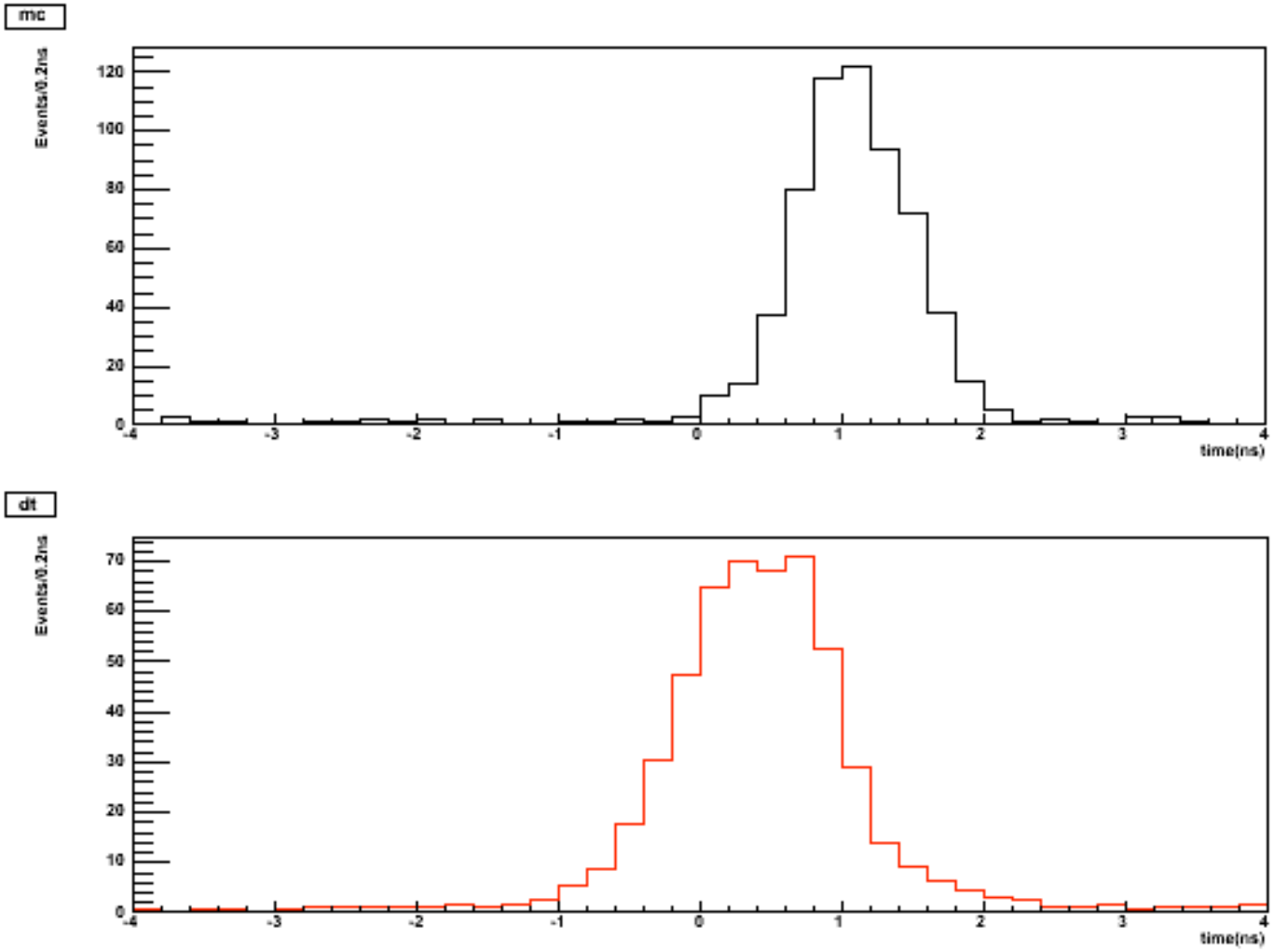




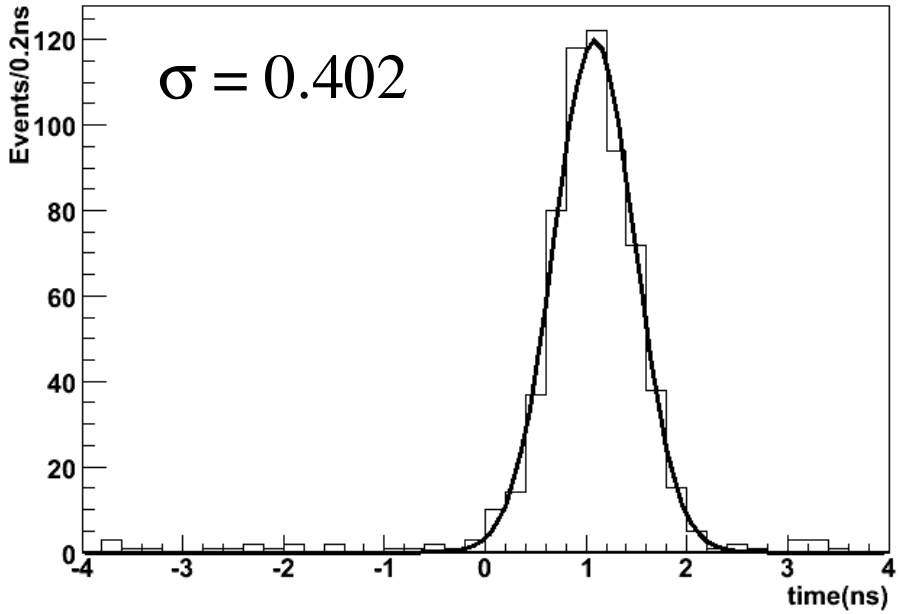
- TOF ADC digitized based on MPV and gains from data + gaussian Pedestal
- Digitized ADC for bar 102(left) and 302(right) shown above compared with data.



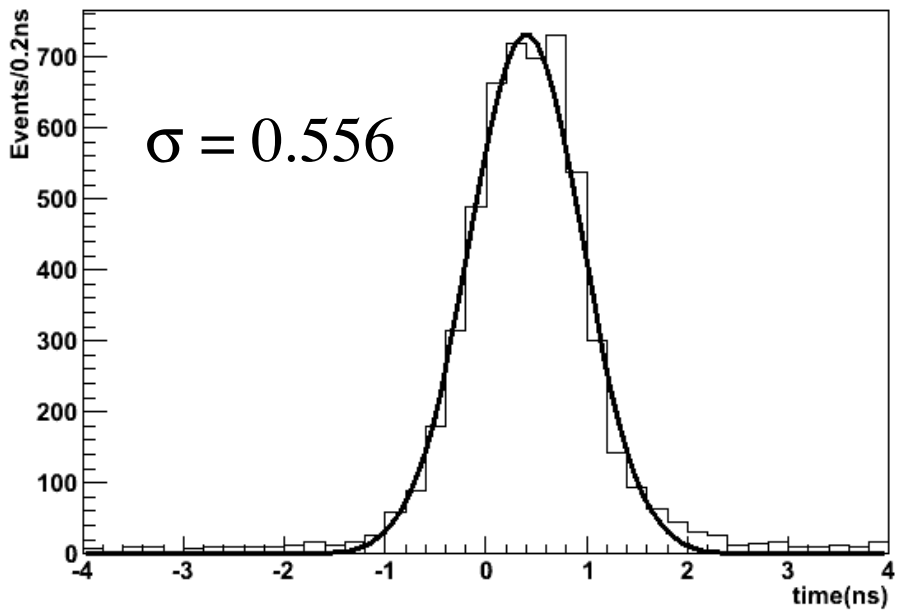
- More disagreement for some bars (top left: 202)
- There is some gain variation in the data, and also a set of runs where the HV was changed. This is not simulated in the MC right now.
- Will put MC-gains into DB.



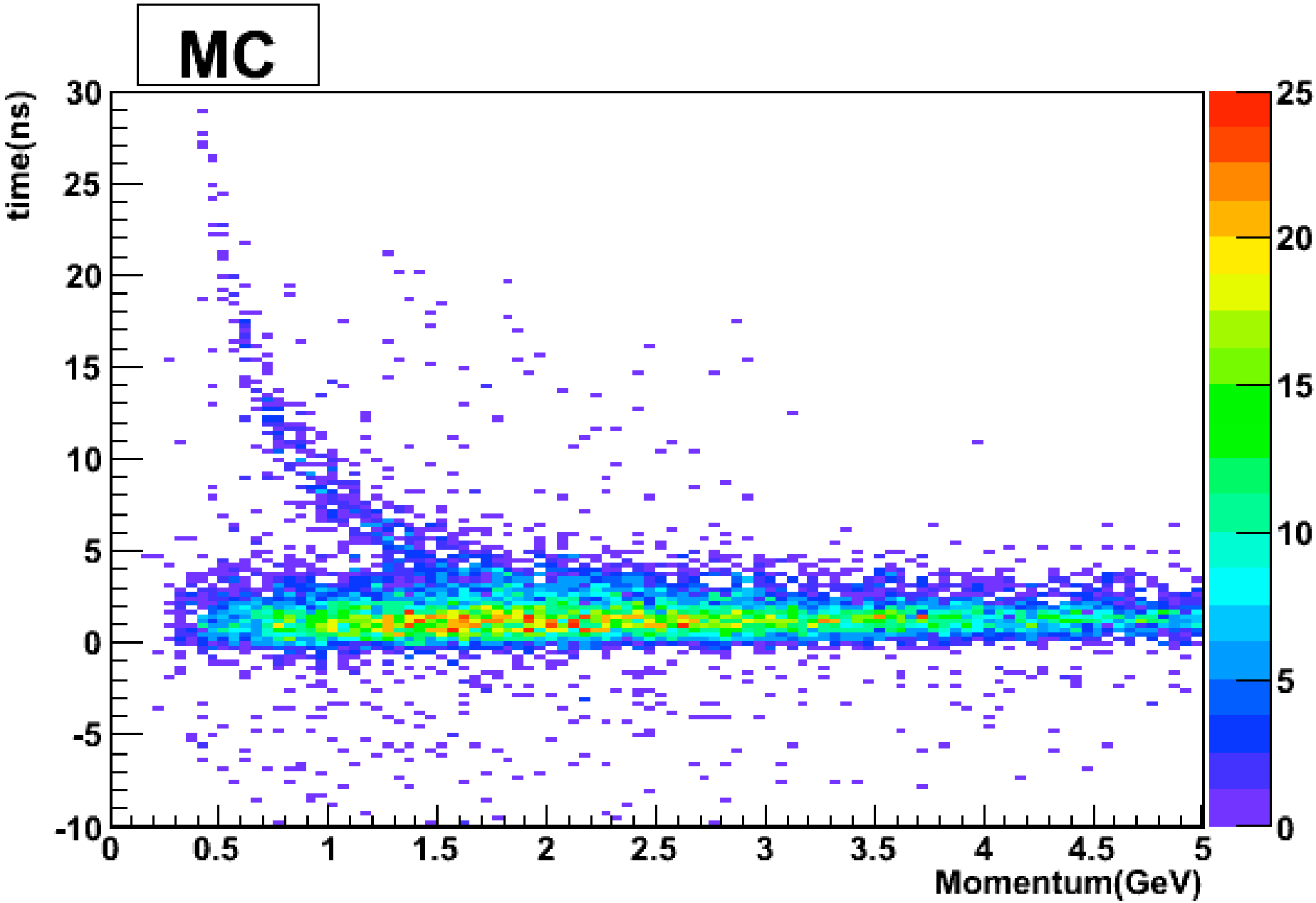
- Top: MC TDC, Bot: Data
- TDC digitization: adds light propagation, slewing and resolution (all parameters from DB)
- No Temp corrections & No Cable offsets in MC



- Top: MC
  - No t0 subtraction



- Bot: Data
  - t0 subtracted
  - d/n correction not applied


MC
time(ns)
30
25
20
15
10
5
0
-5
-10
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Momentum(GeV)
25
20
15
10
5
0

TOFTReco etc.

- I'm not able to analyze pass4b DSTs using p4aii-TOF analysis code and utilities.
- TOF Data "format" appears to have changed
- Previously `evt→GetToFPMT(barid)`

  now `evt→GetToFPMT(tof-hit-number)`
- Not sure if there are any other similar modifications to format/pointers
- If it was _not_ intentional, I'll update the analysis utilities and analyze the DST
- Haven't had a chance to look into T0Reco yet; unless Holger has already looked, I will get it fixed within the next week.