More Data vs (old)MC

- Turle interaction z-position
- Digi timing plots
Turtle Interaction Z (aka “trtlradz”)

- MC
- MC, Brem
- MC, Coul

Weighted by $N_{DCHDIGI}$
DCH Digi Time - What I showed before
Digi Time
- Fixed

Run 44260
- MC/2.

use only the 1st ("correct") TDC

no agreement

- MC
- MC*5, SL 1
- MC*5, SL 5
- MC*5, SL 10
Digi Time for a cosmic run

- Resembles a cosmic run - known feature of MC....
Don’t understand MC distribution

expect: multiple TDC only from background frame or other track
Digitime and #TDC

- I don’t understand the MC plot here either
- need to learn how MC is produced
- look at “usual” MC but effect may be hidden by background frame...
Digi Charge

- peak at 0 for data
- bad waveforms
Digi Time and Digi Charge

digi time plots better understood

now waiting for new set of files
Digi Time and Digi Charge II

need to learn where different charges come from
Conclusions and Next

- learned more about the DCH and understand (most of) data features
- understand how the TDC in MC are produced
  - I don’t expect this to agree between data+MC, but would like to understand their respective shapes
- understand connection of charge and time