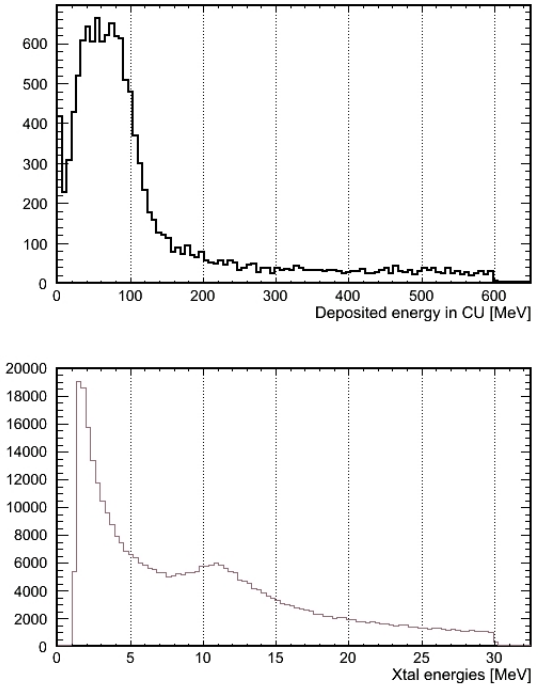
MIP peak in proton runs



94k events out of 511 from run 1371

Top: deposited energy in CU per event

Expected 90 MeV/cos($30°$) = 104 MeV but we have < 100 MeV.

Bottom: deposited energy per Xtal per event

Expected 11.2 MeV/cos($30°$) = 13 MeV but we have 11 MeV

According to Sacha, the effect can be due to

- high rate of particles depositing energy in the same crystal. Problem for the BT, but not for flight.
- high readout rate. Problem in BT AND flight!

Have to find out what's going on.

First look at GEM Δt dependency, assuming 50nsec/tick