Sum Et, Missing Et, particles multiplicity for a central region

Dominik Wrana

Applying crap events cleaning (Artur's neural network)

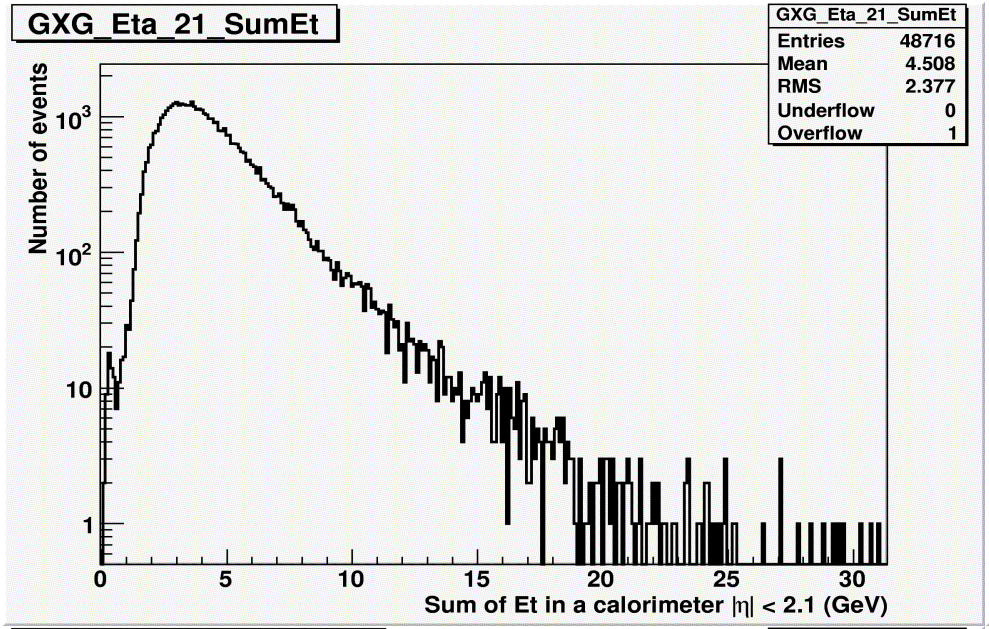
Data from 292319 (May) + 294607 (July) runs

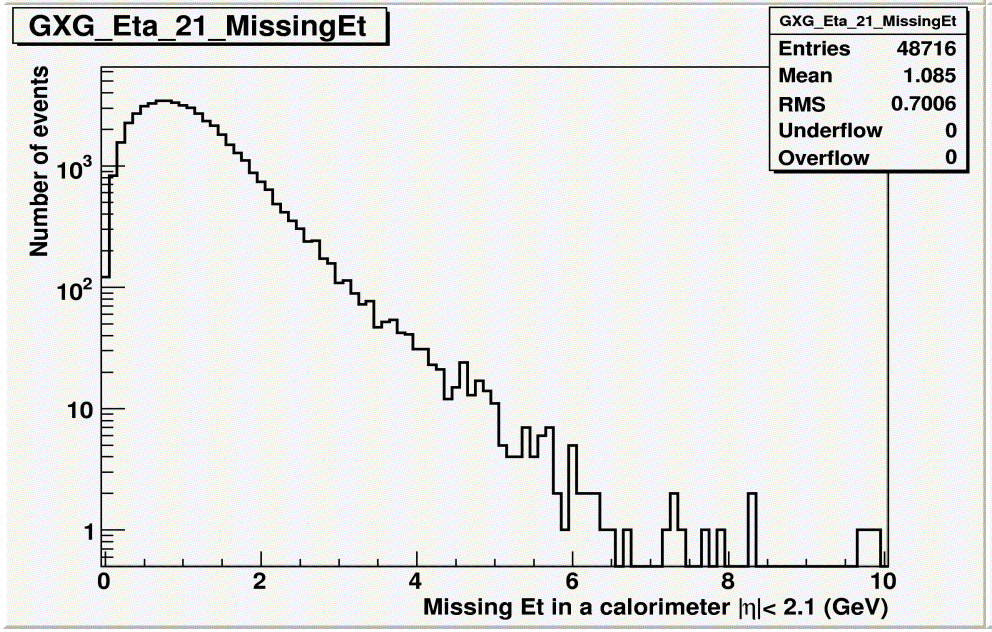
Gap data:
80714
After crap events cleaning:
48716

40% bad events!

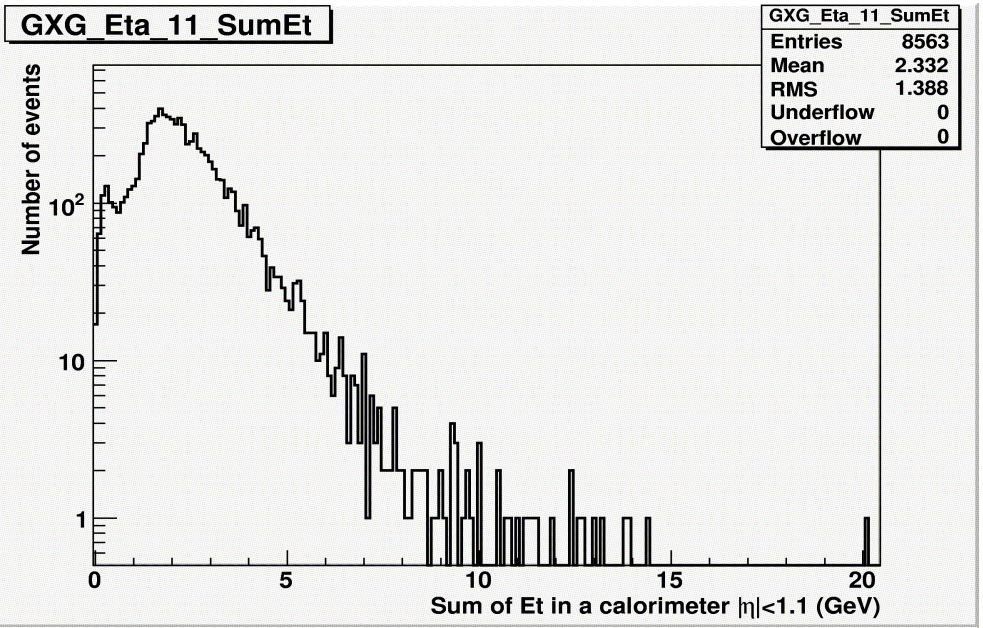
Sum Et, Missing Et

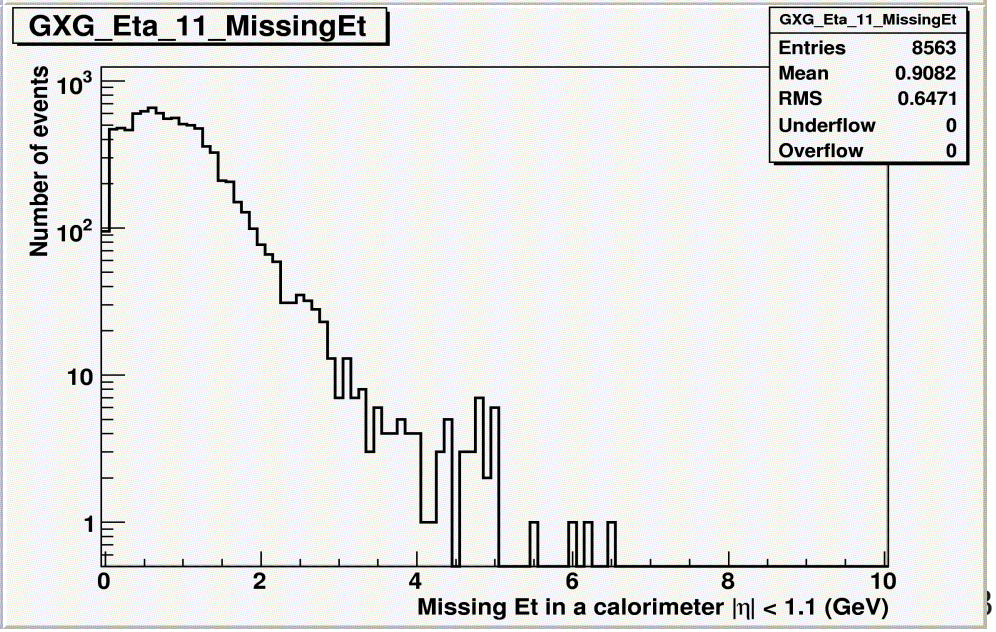
|η| < 2.1



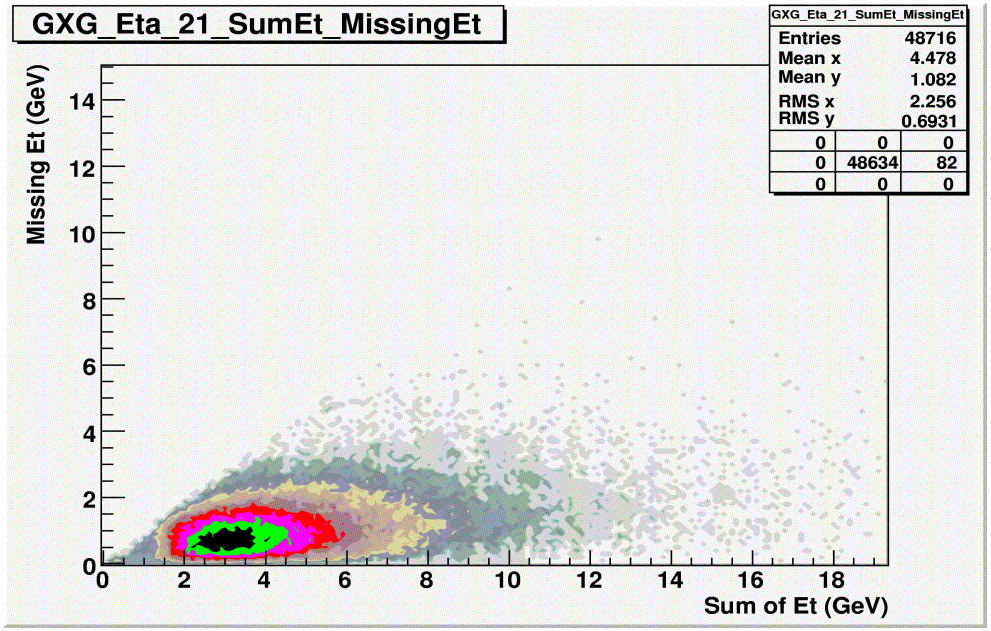


|η| < 1.1

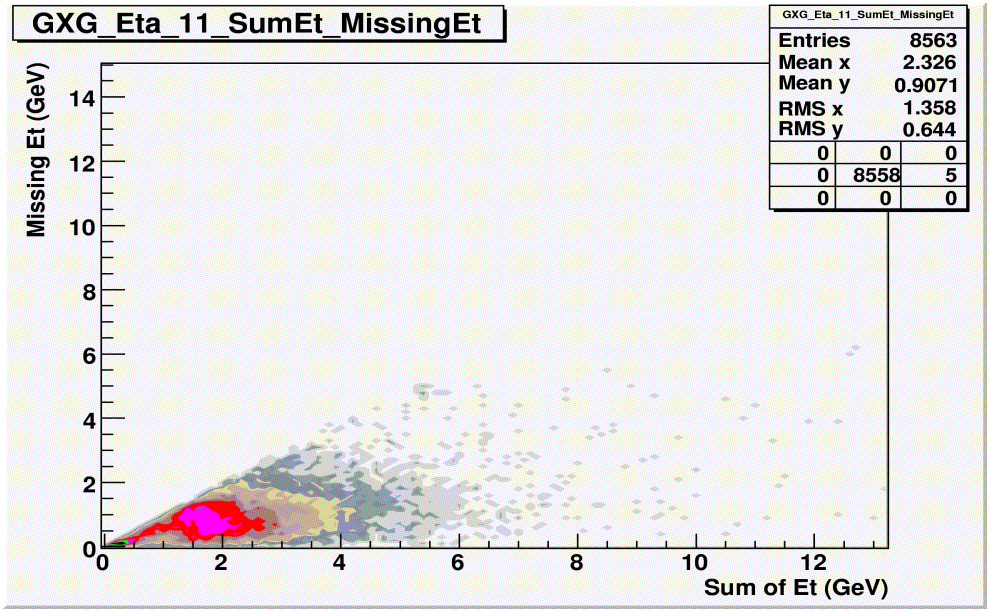




Sum Et vs Missing Et



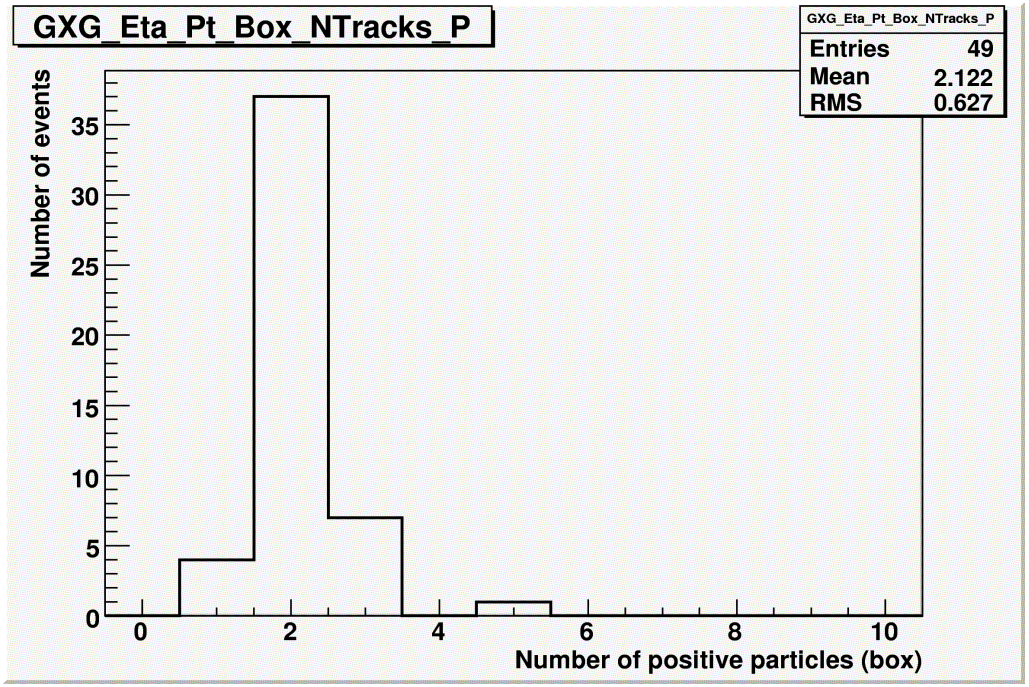
|η| < 2.1



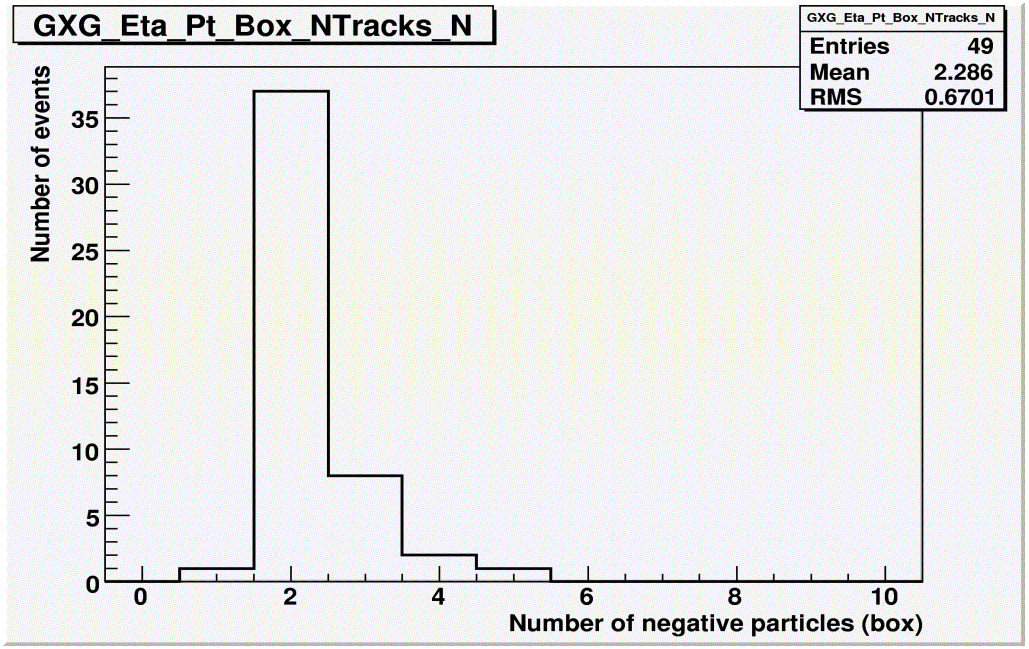
|η| < 2.1

Tracks multiplicity

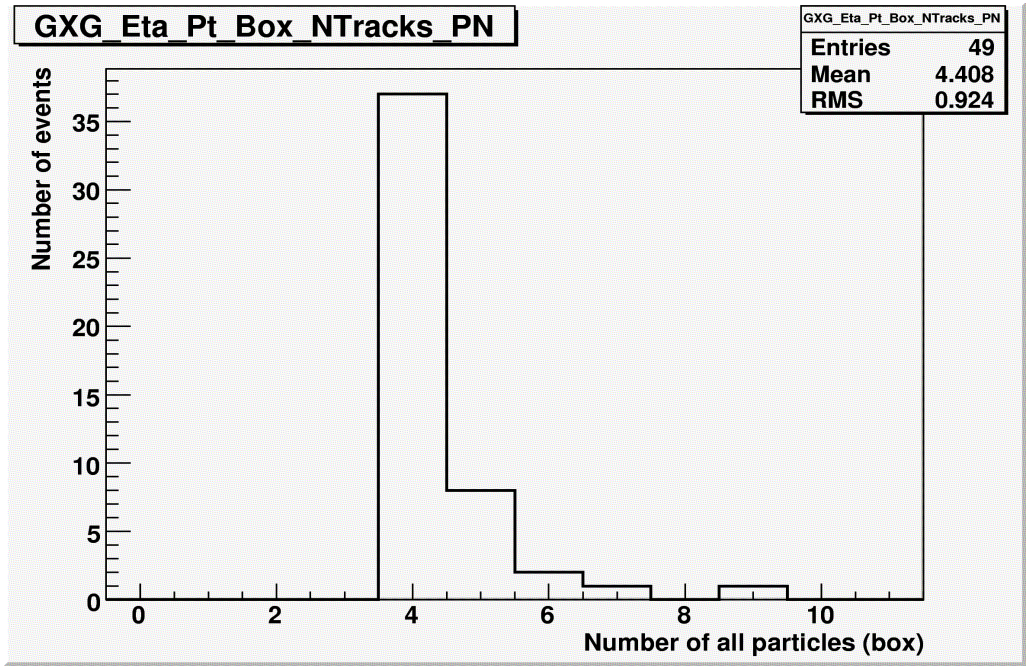
Conditions:
- forward gaps
- side calorimeter clean
- crap clean
- all tracks → $|\eta| < 1.1$
- each track Pt > 0.4 Gev/c
- 1 vertex
- all tracks associated with vertex



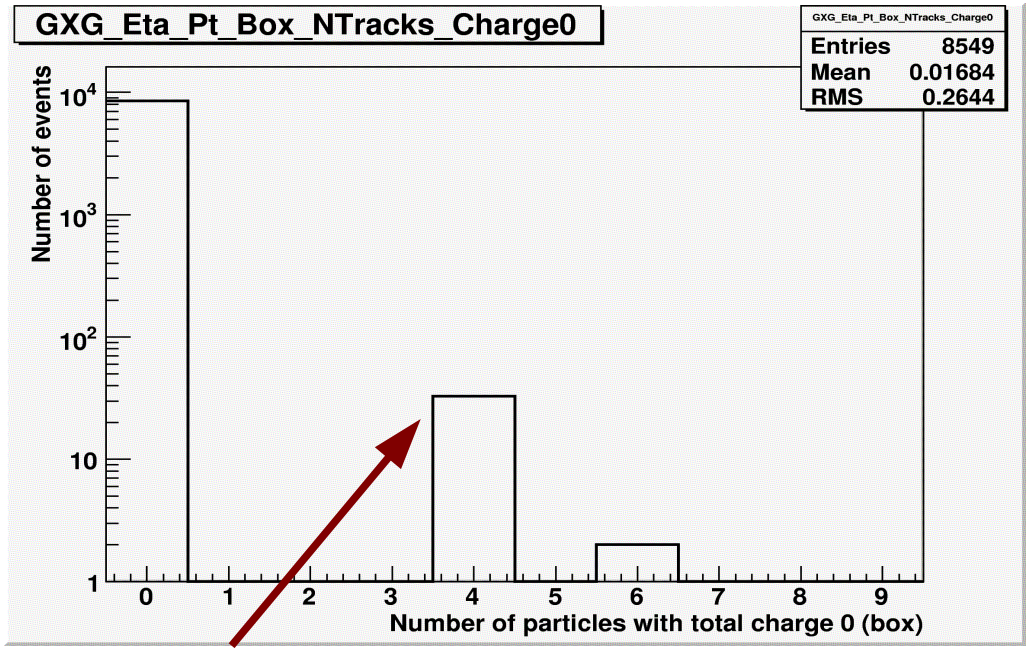
Positive particles multiplicity



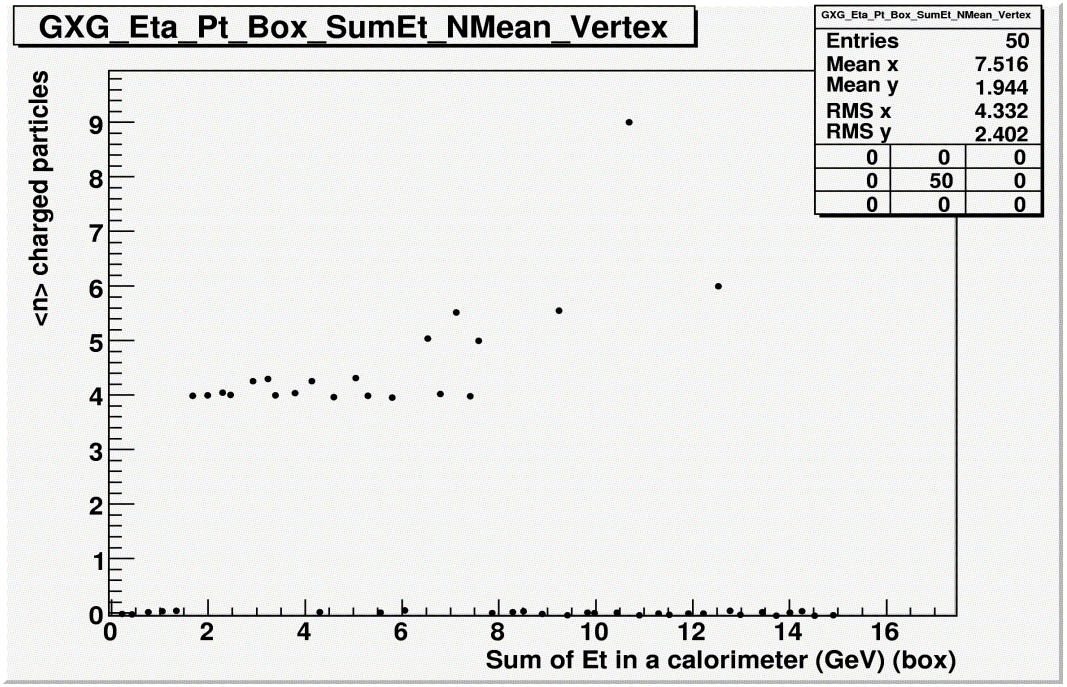
Negative particles multiplicity



All particles multiplicity

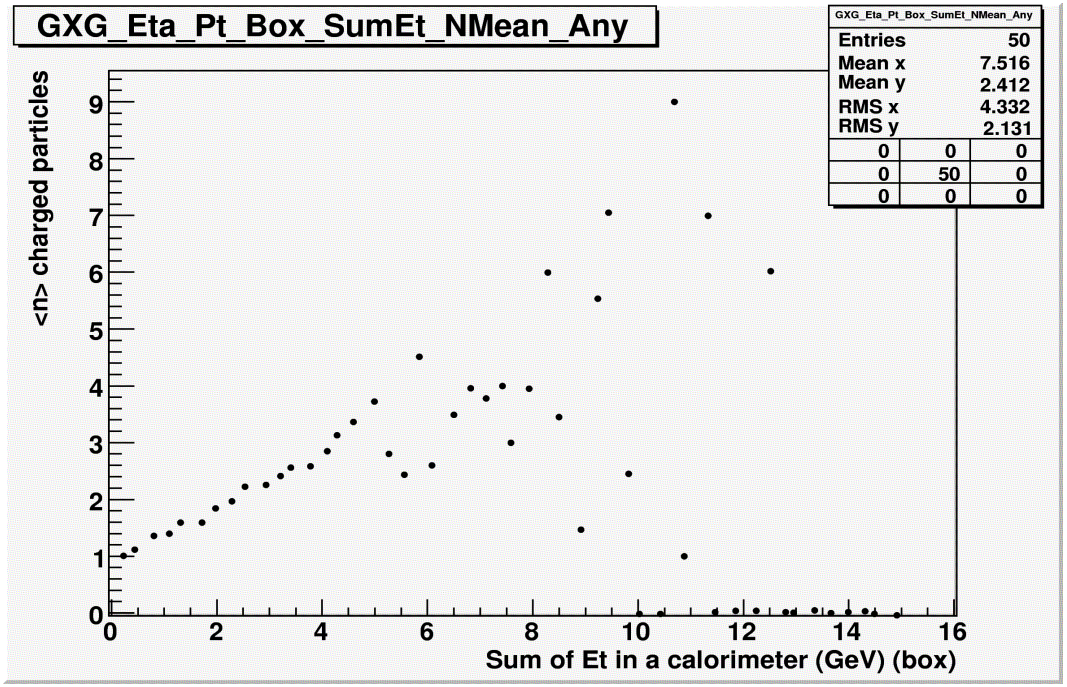


Number of particles in events with
total charge = 0



Average particles number in different slices of sum of Et in a central (|η| < 1.1) calorimeter

- with 1 vertex demand



- without any vertex requirement