Correcting ToT's

θ_1
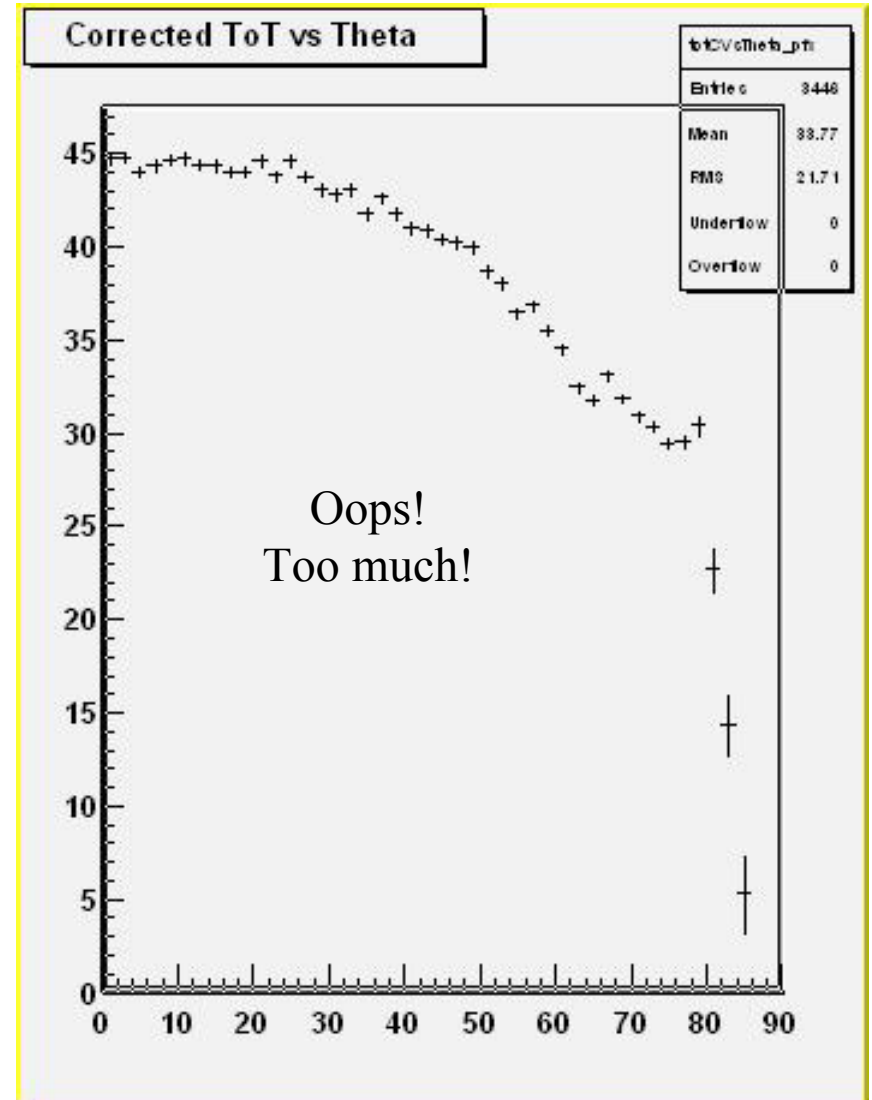
θ

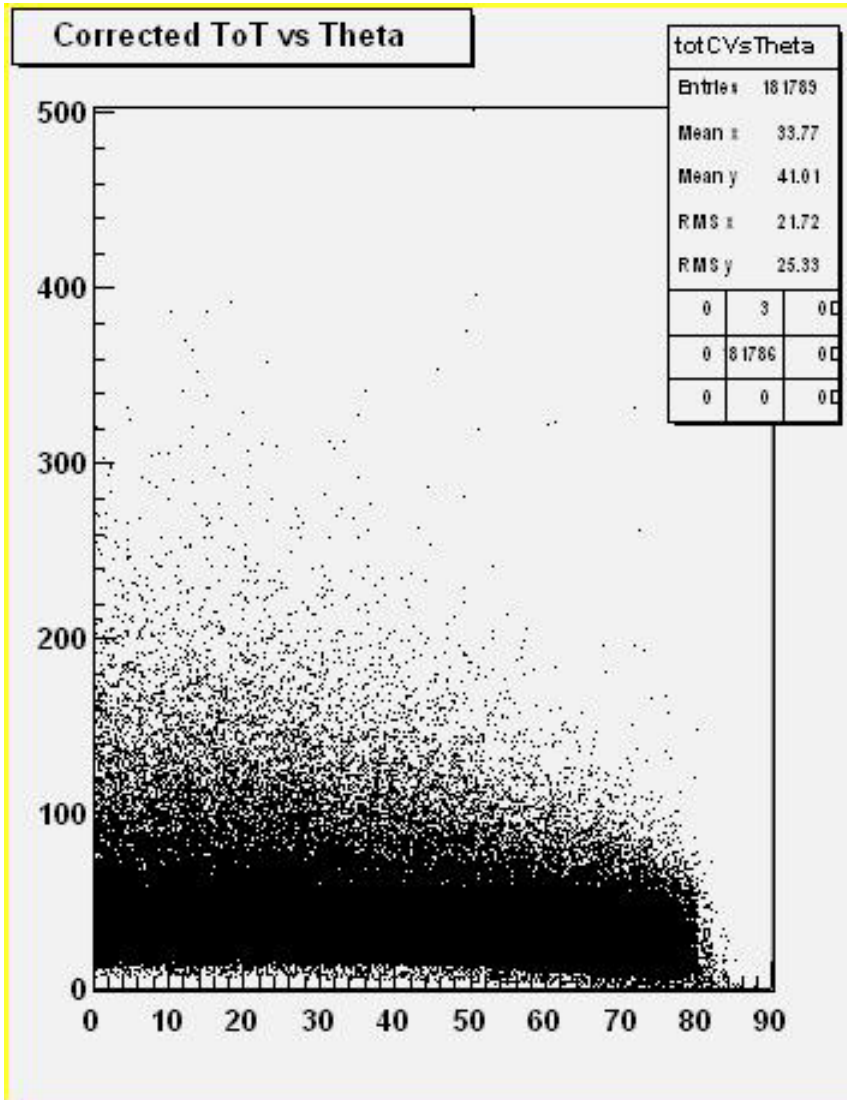Correction depends projected angle along strip, θ, and across strip, θ_1

Raw ToT, cosmic muons

Raw ToT vs θ

ToT/cos(θ) vs θ
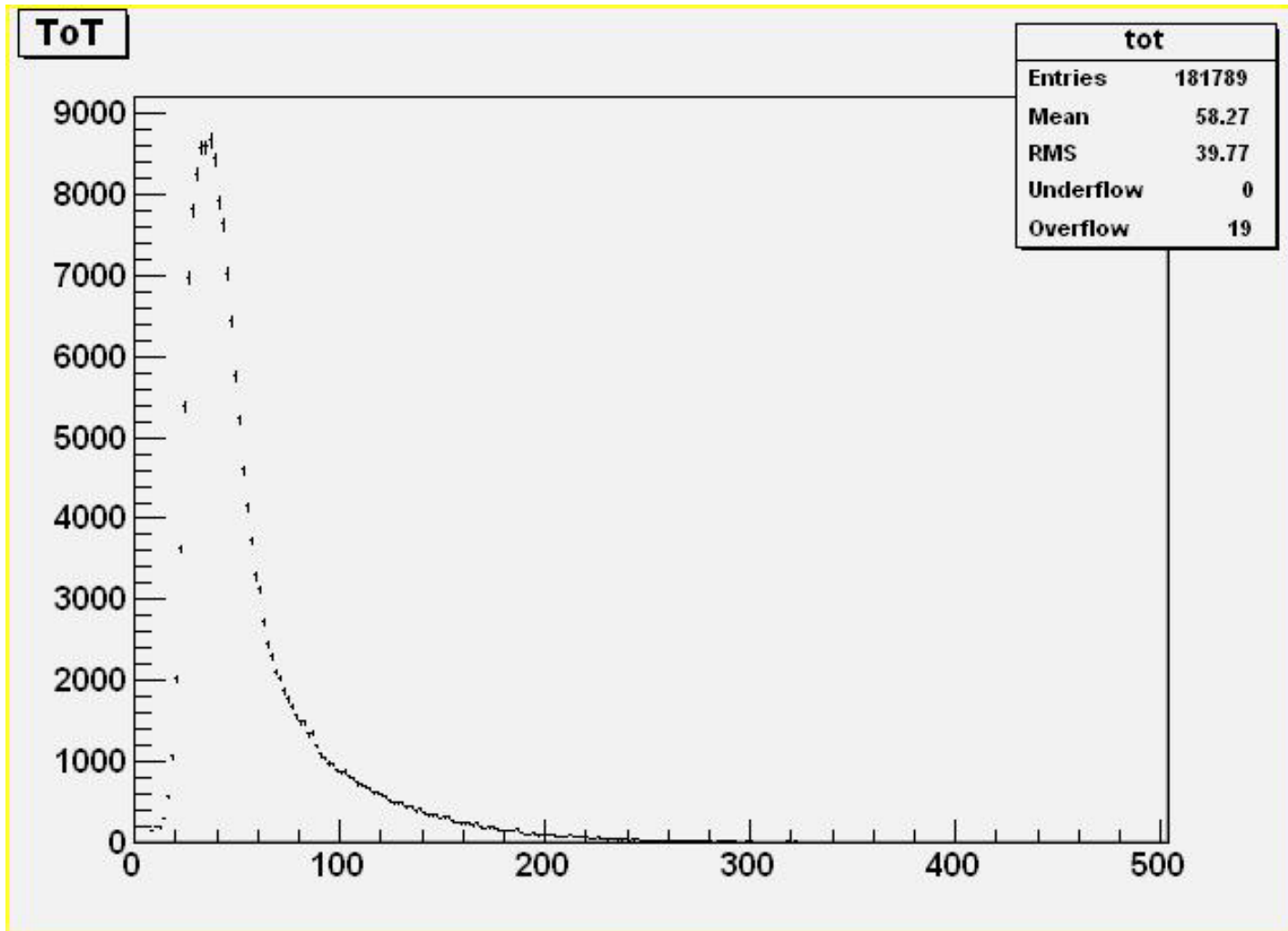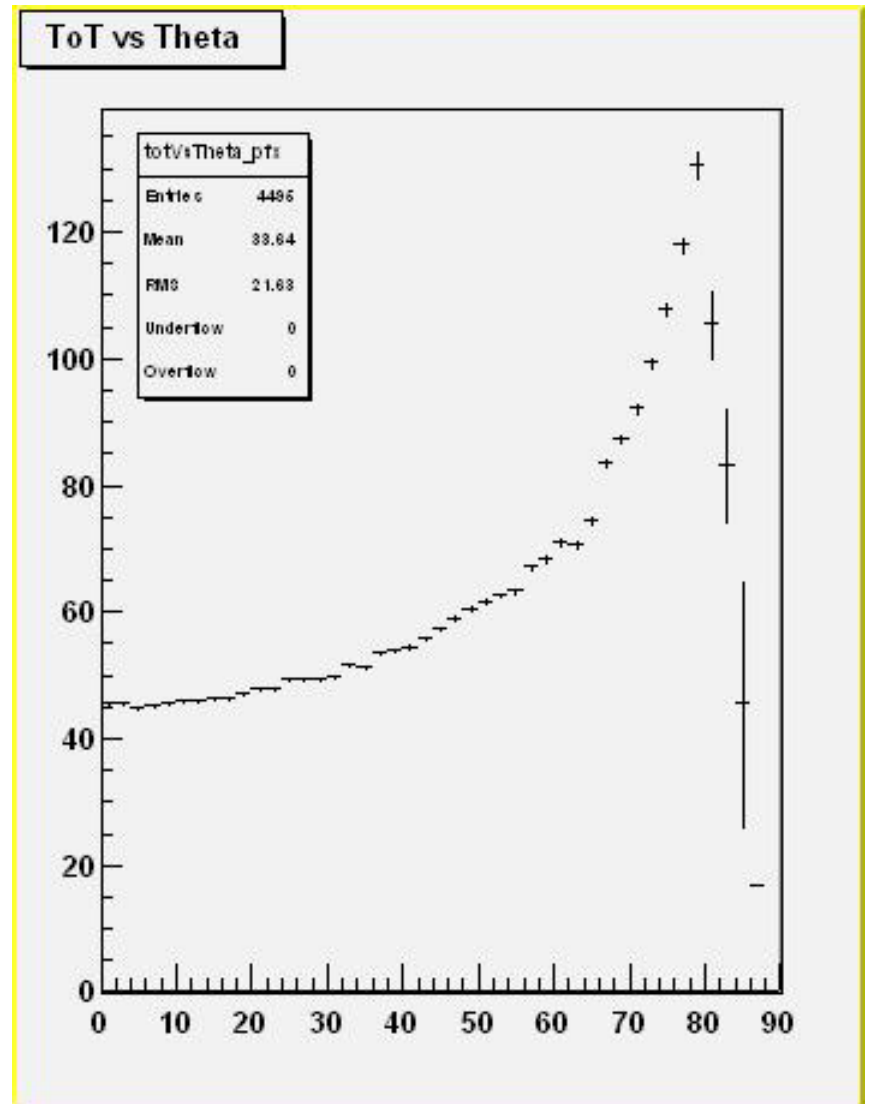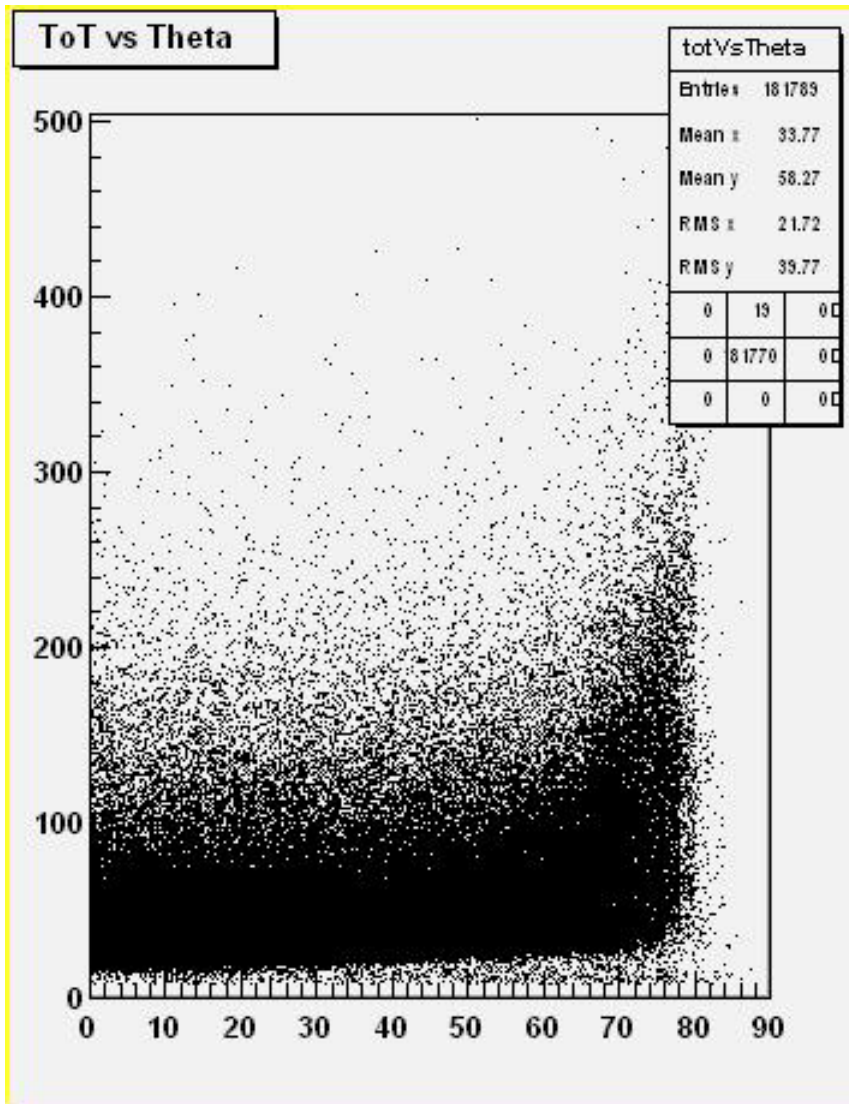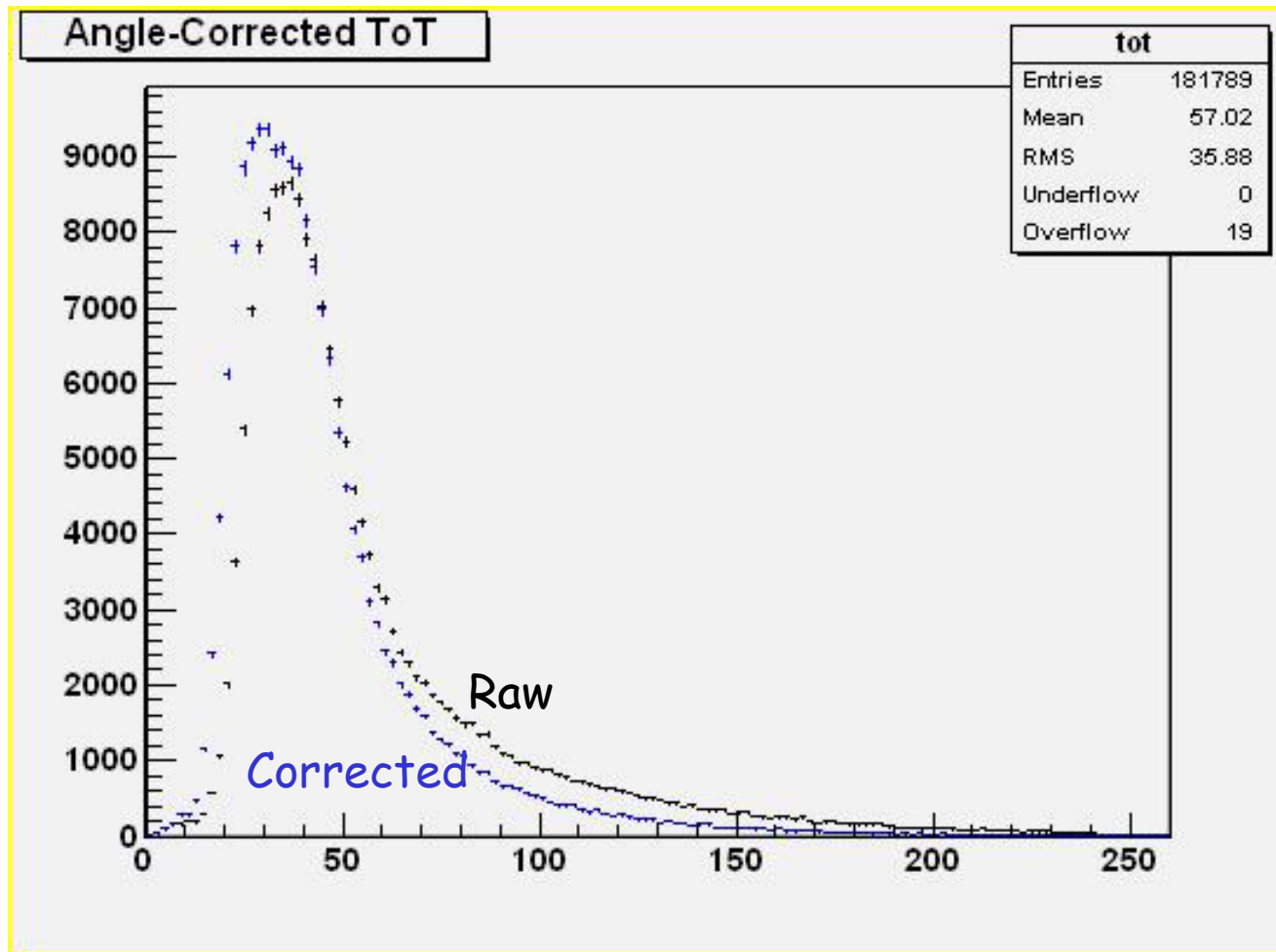
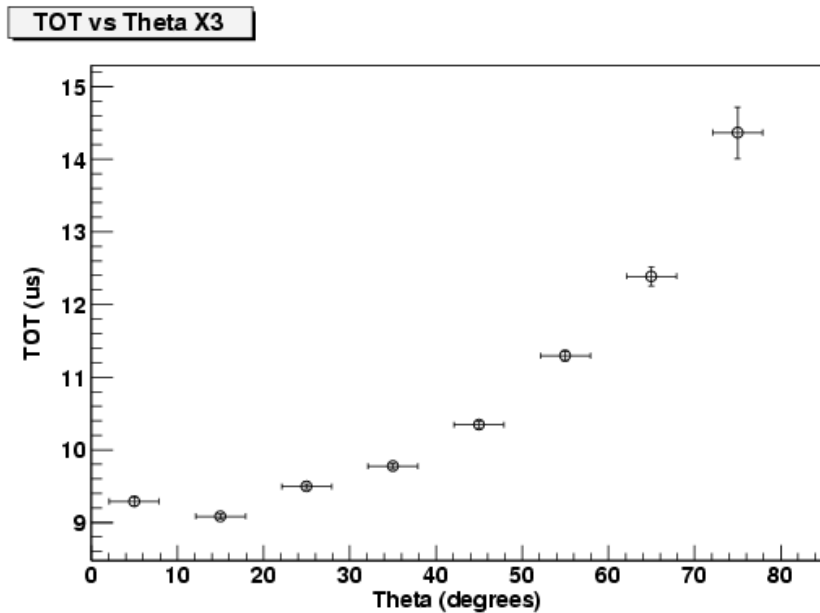# ToT/cos(θ) vs θ, with extra angle correction and Cutoff
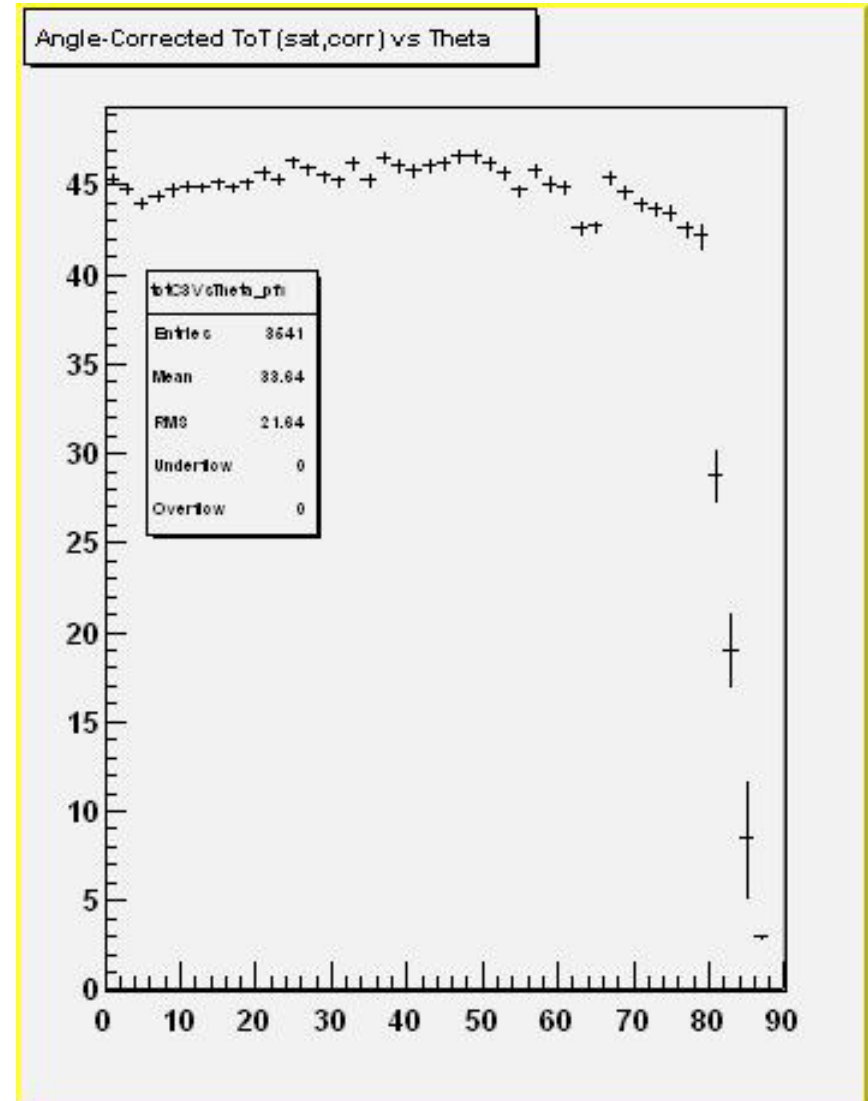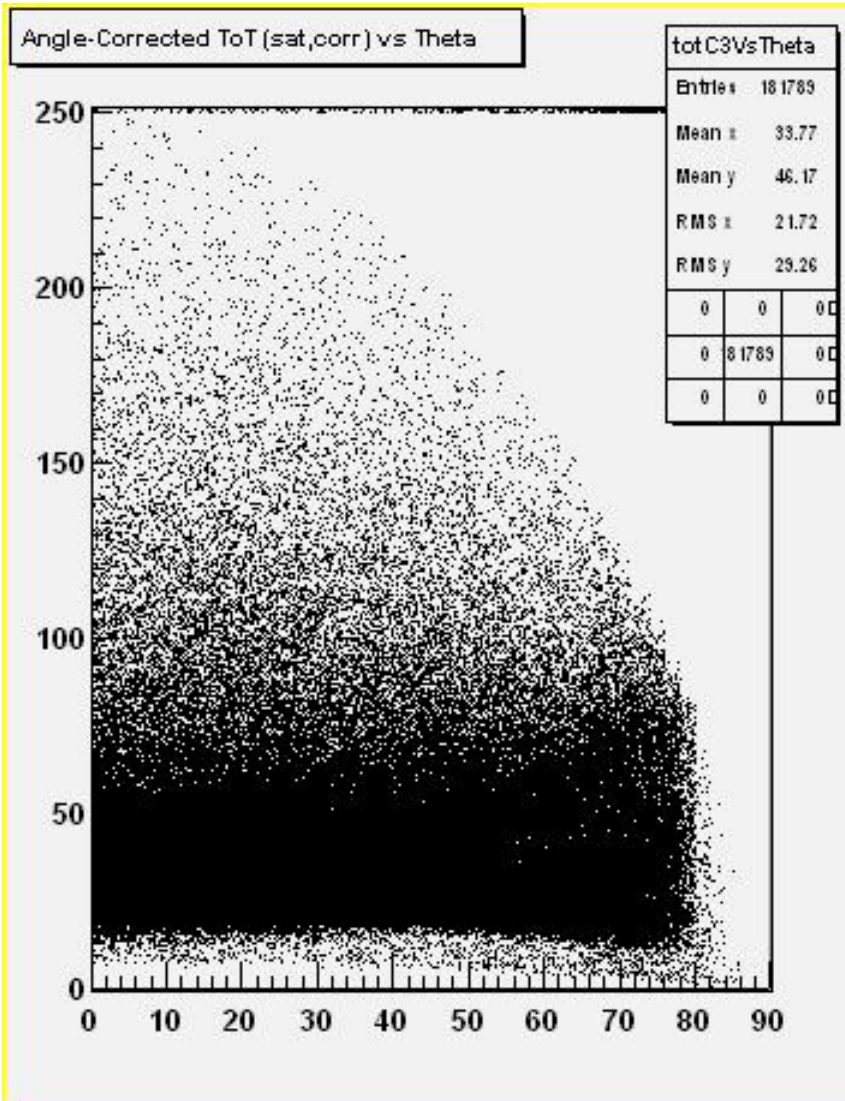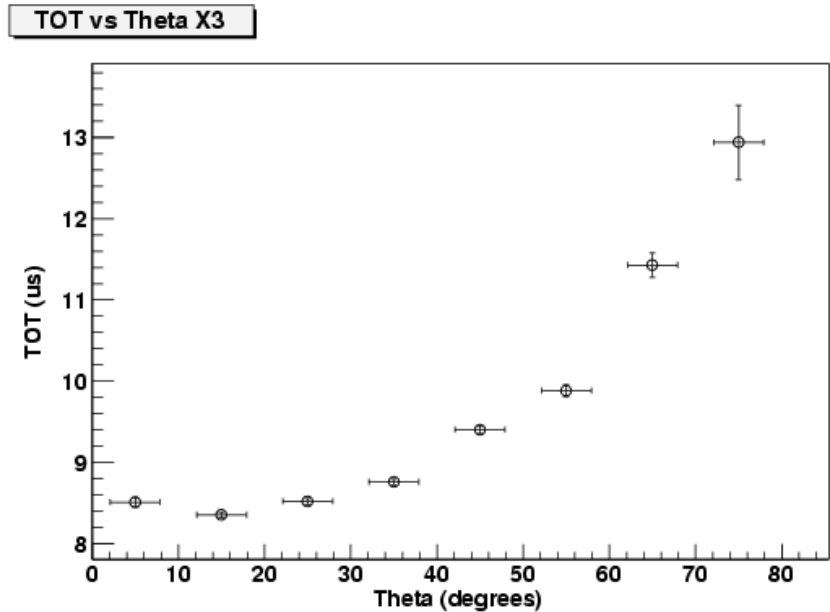
Comparison of raw and corrected ToT's

TOT vs. theta

Average of TOT distribution increases as theta increases (the bigger the angle, the longer the path in the silicon).
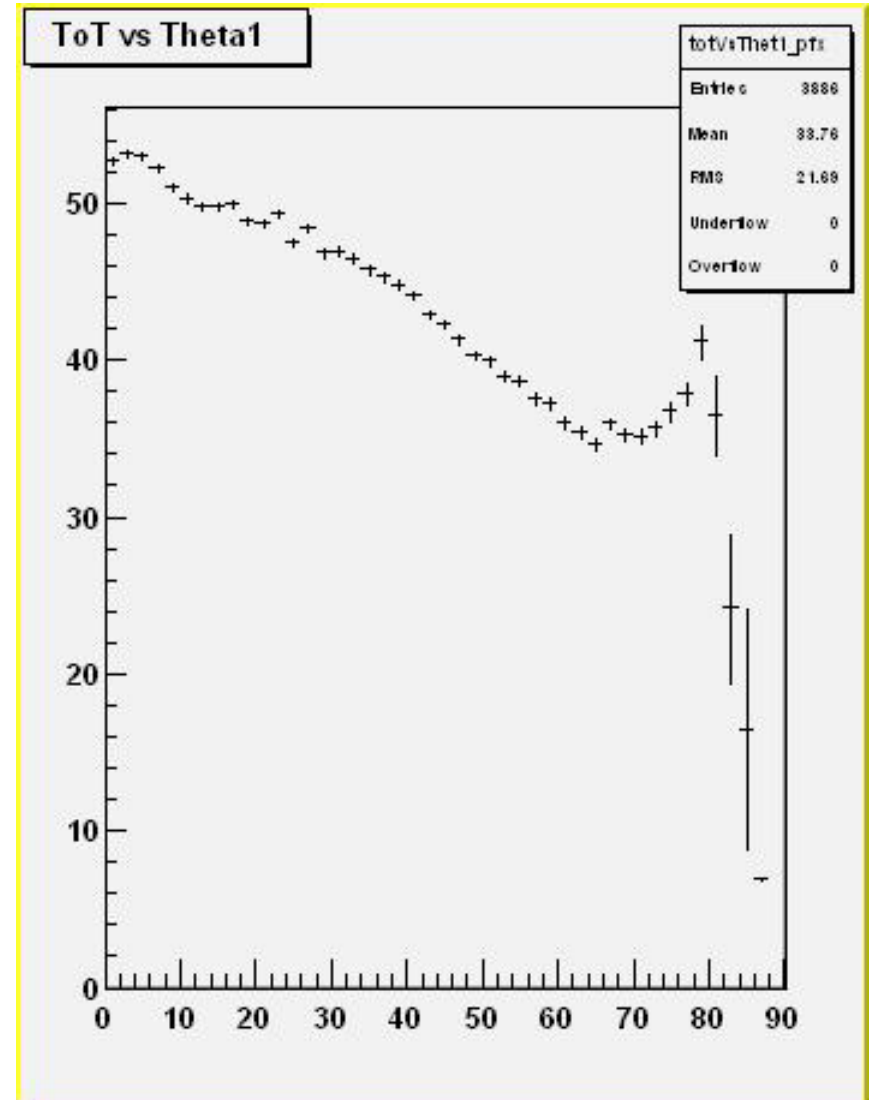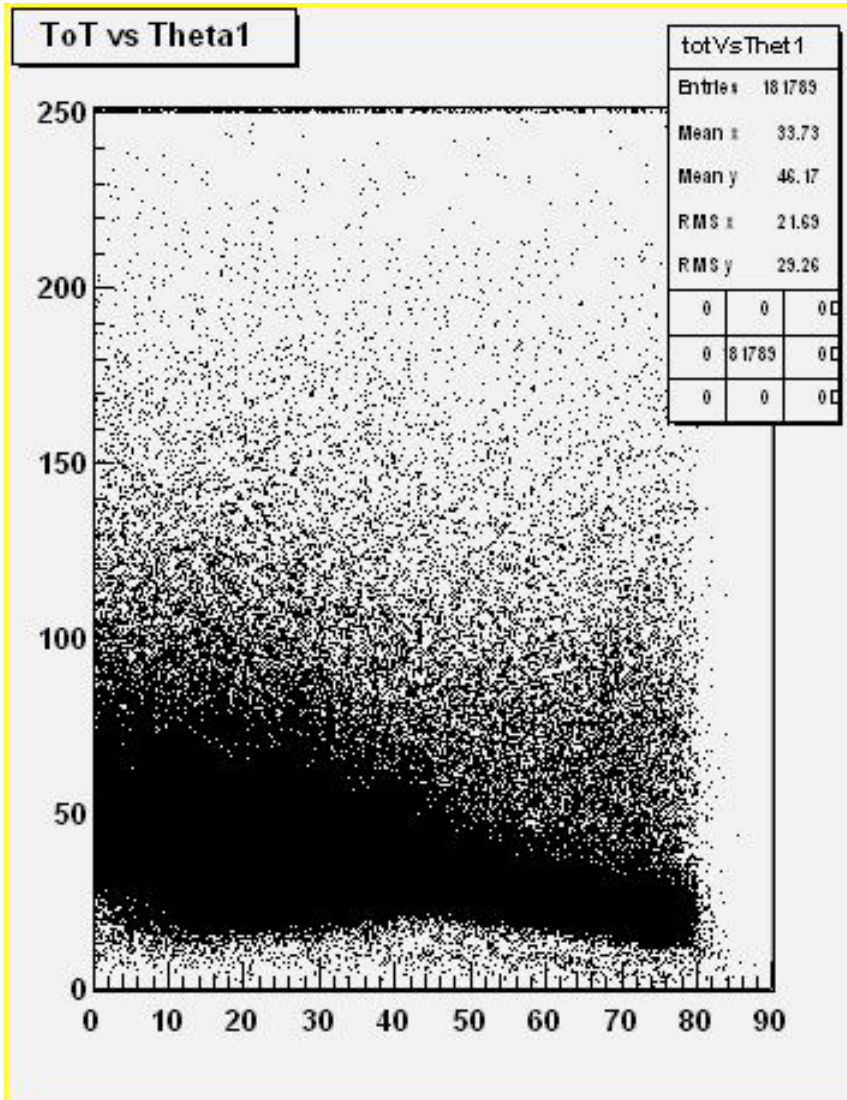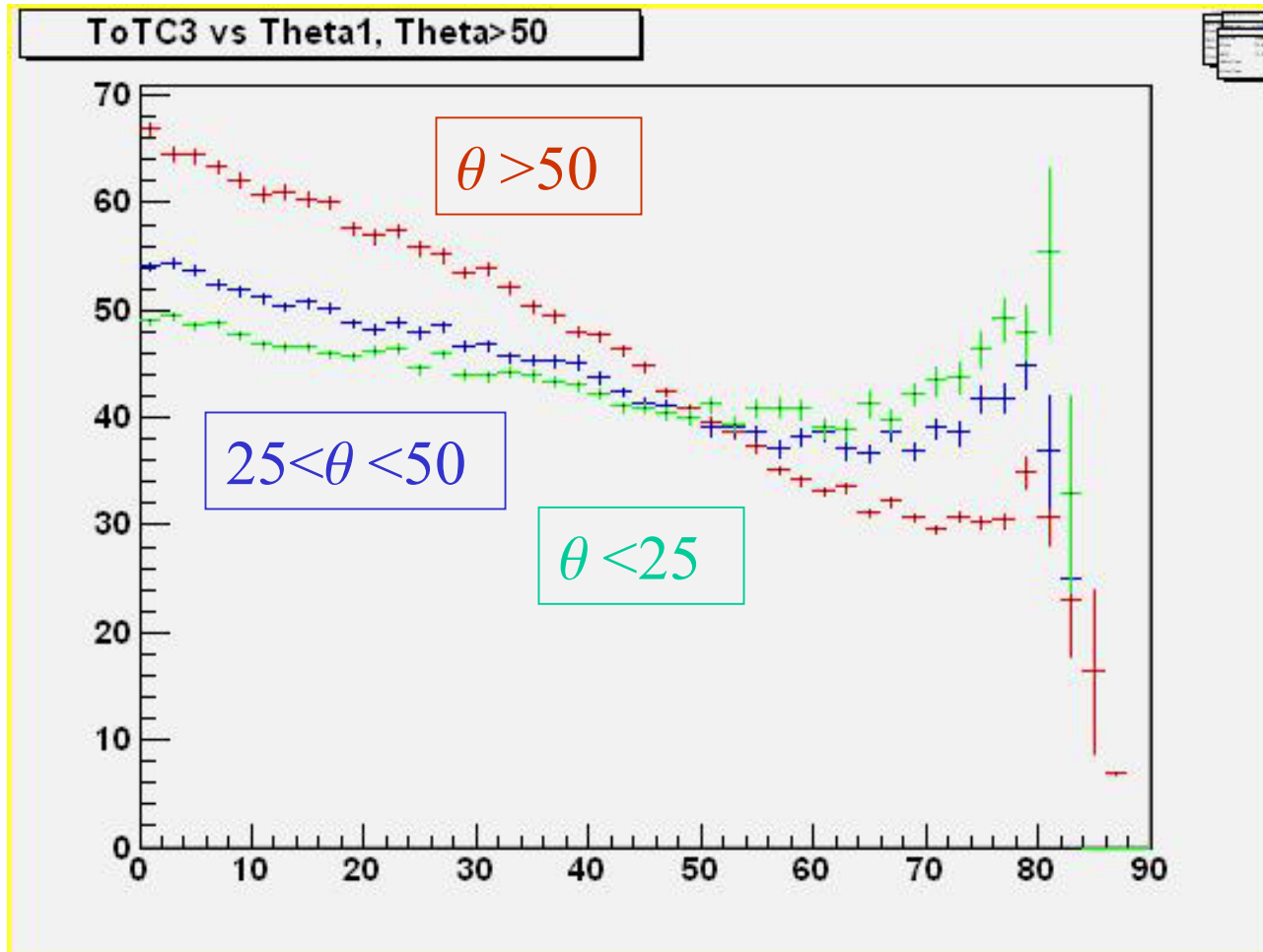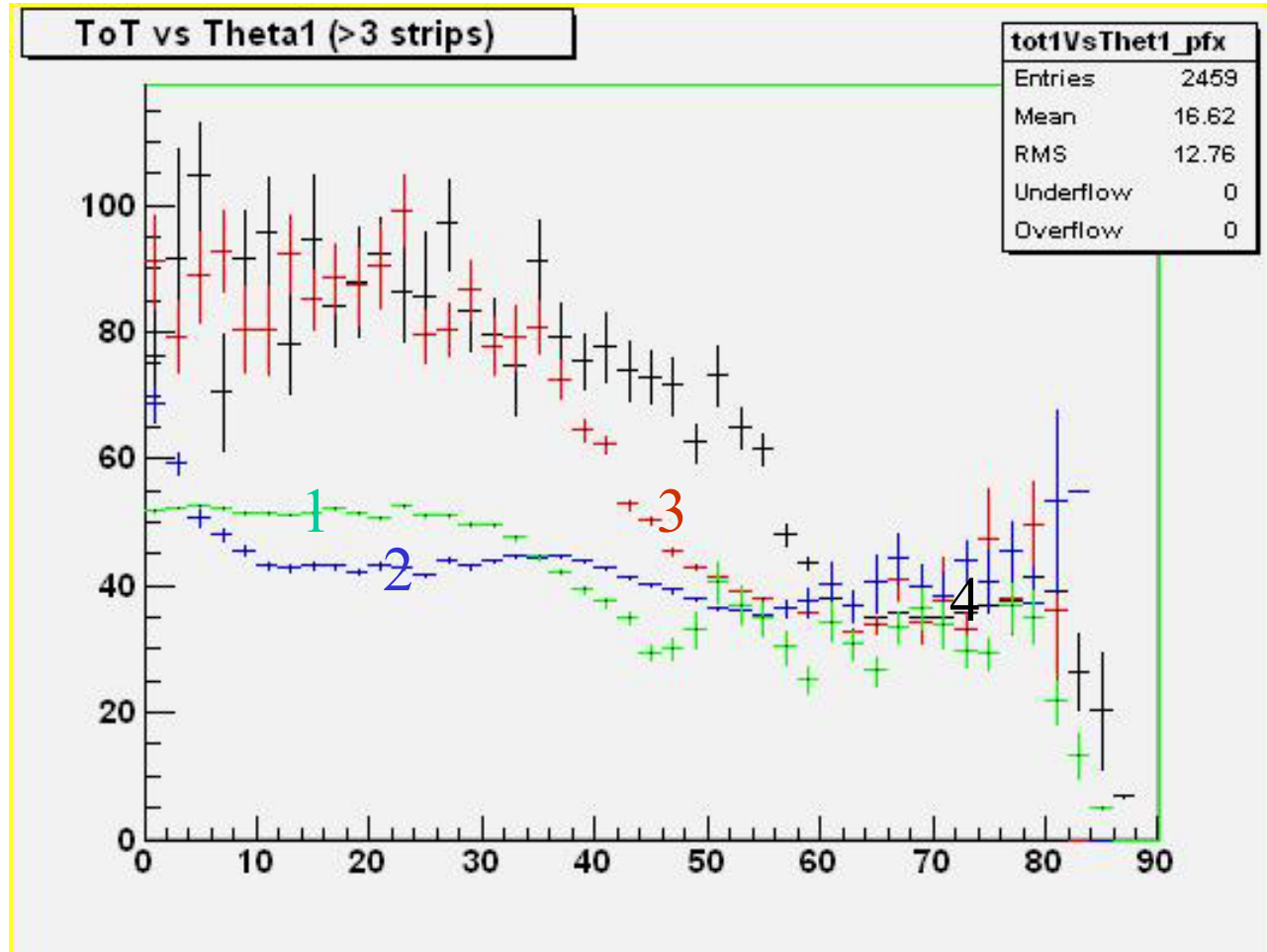
Real data

Monte Carlo simulation

From Ronaldo Bellazzini

Dependence on θ_1 is more complicated

Depends on θ (!!)

ToTC3 vs Theta1, Theta>50
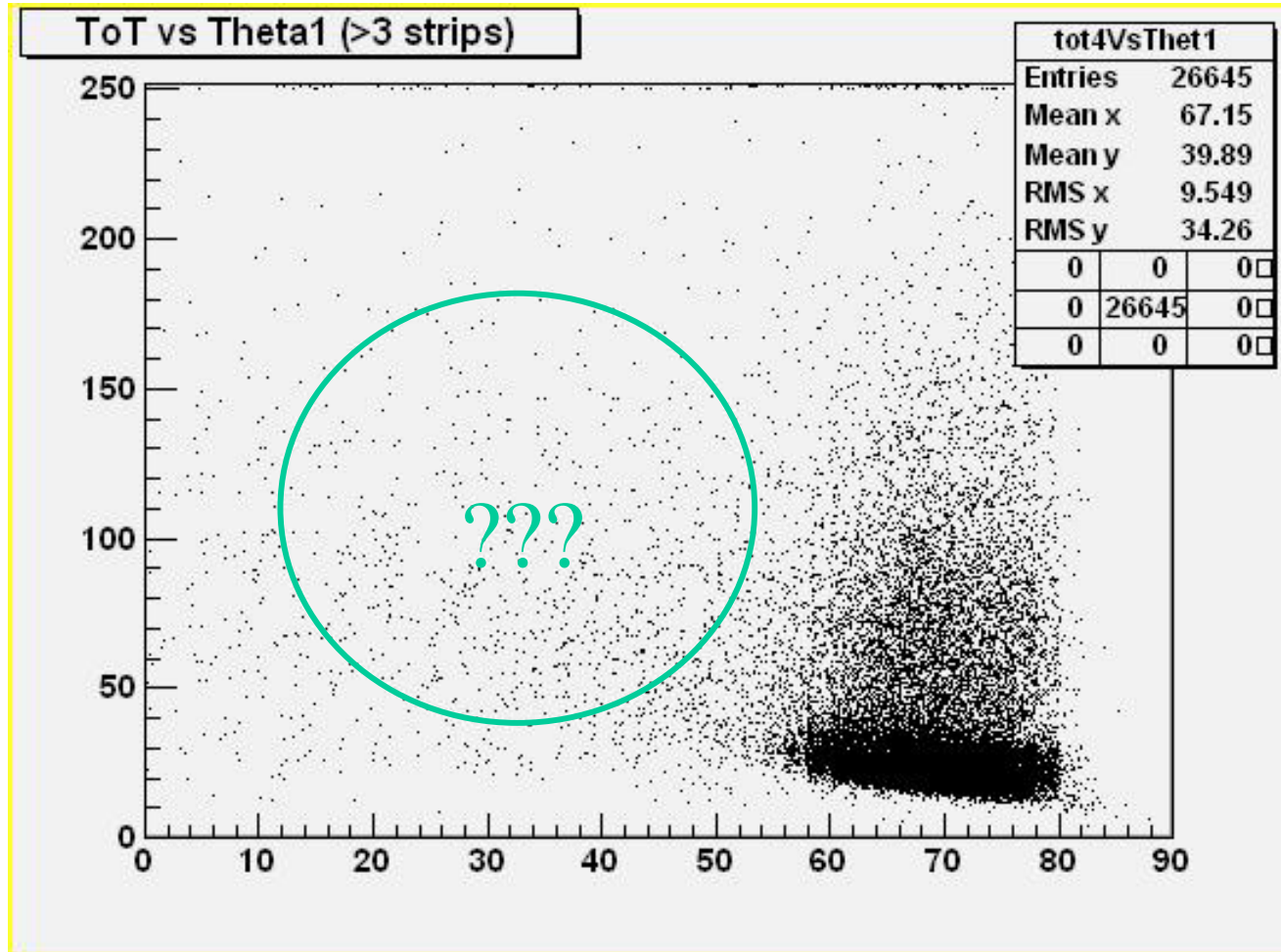
$\theta > 50$

$25 < \theta < 50$

$\theta < 25$

Depends on number of strips

Four or more strips
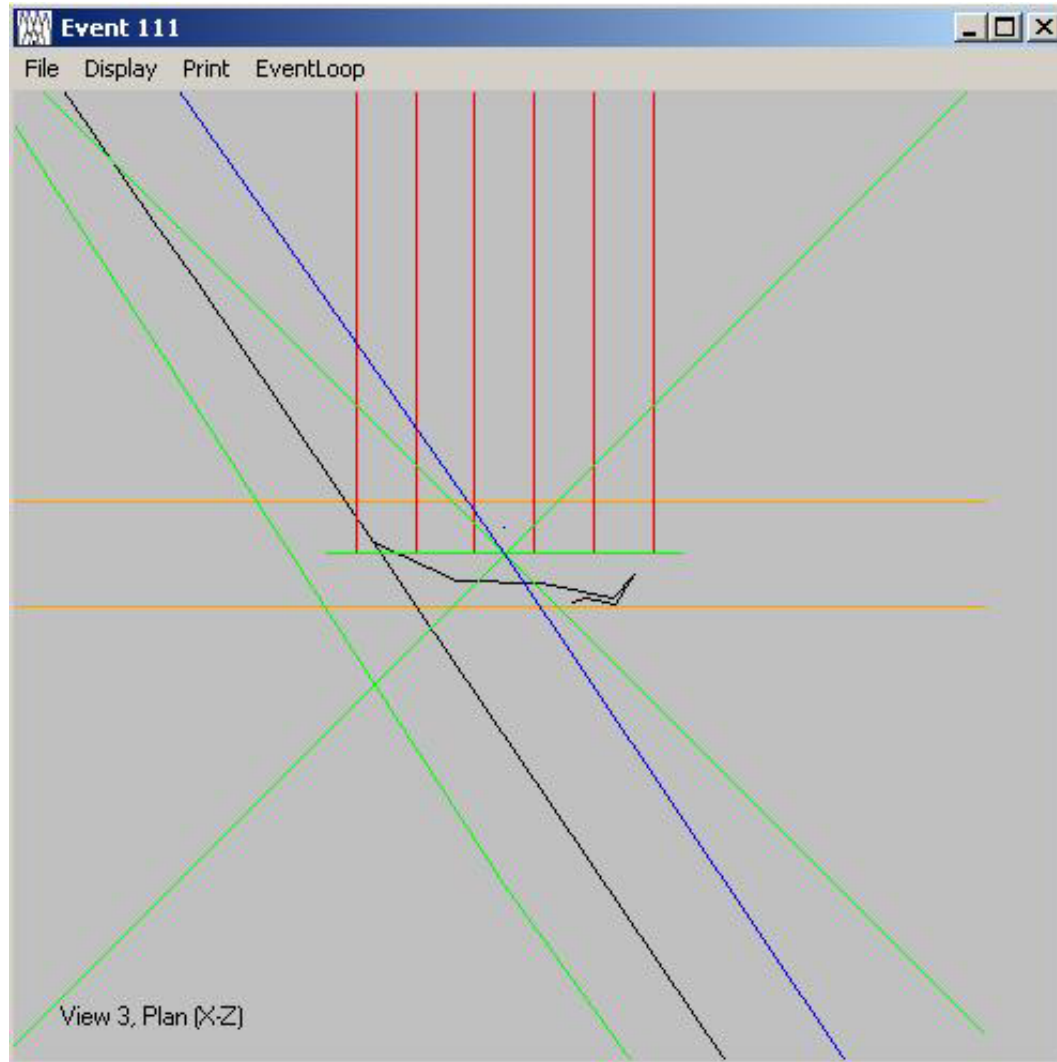

What are the hits at small angles?
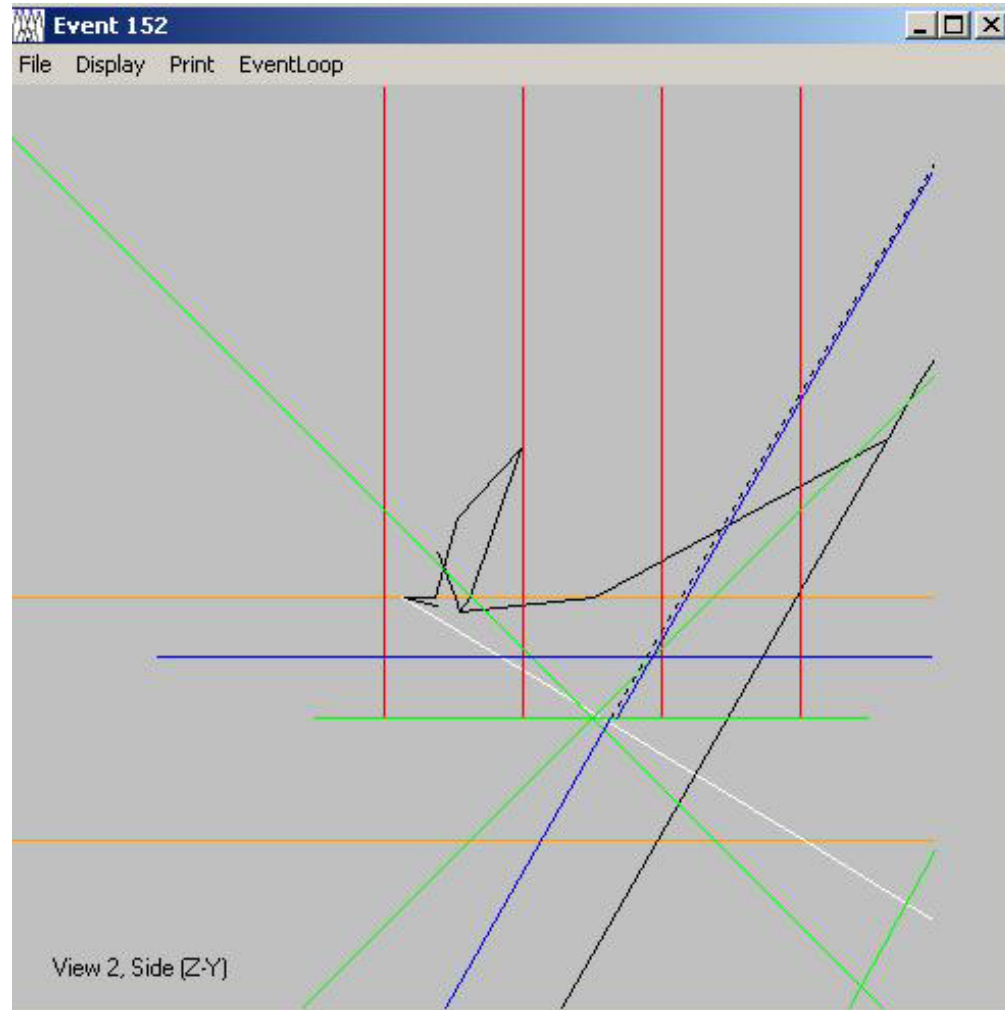
Small θ_1, Lots of Strips

And another

Large θ_1, Too few strips