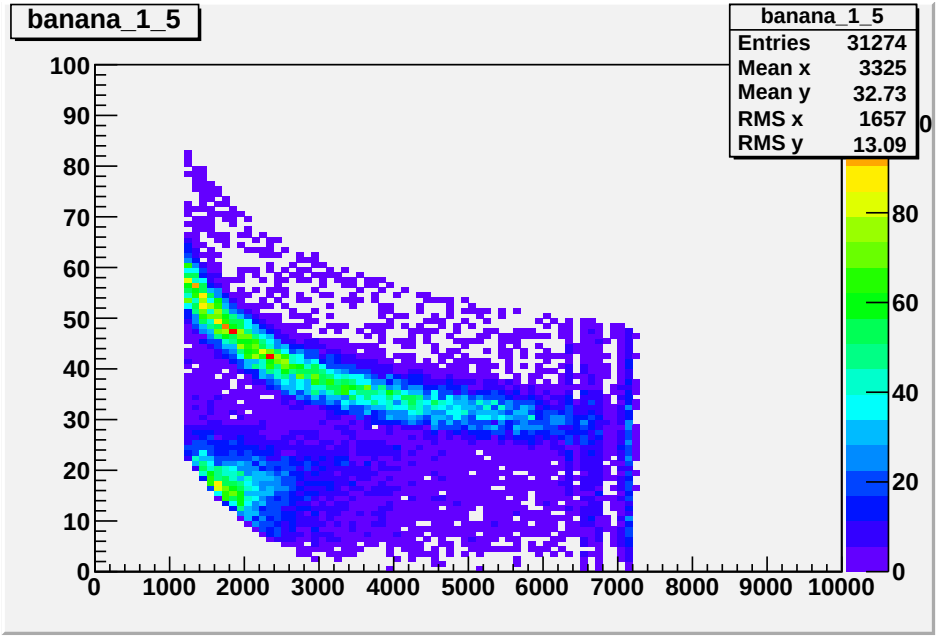
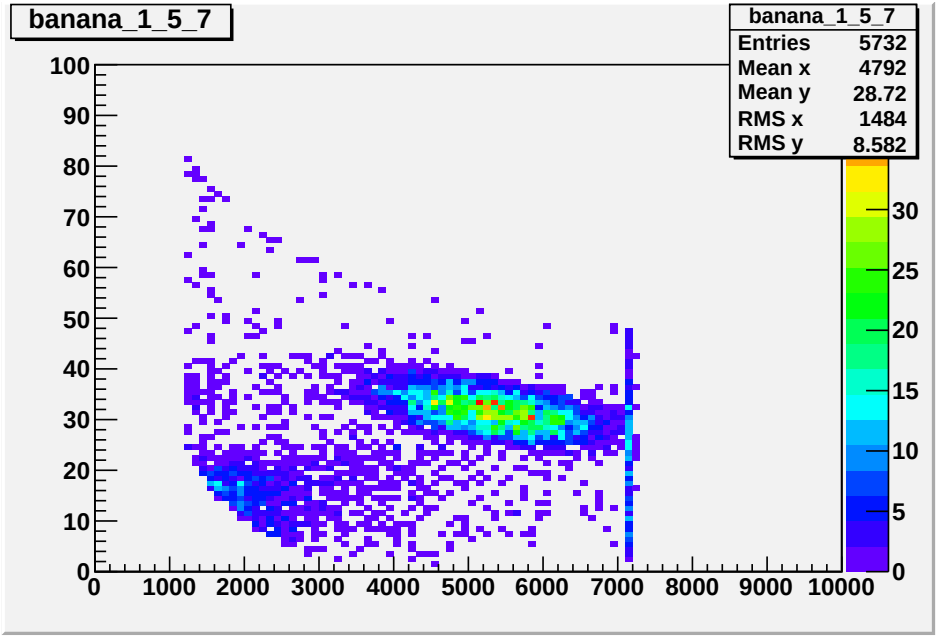
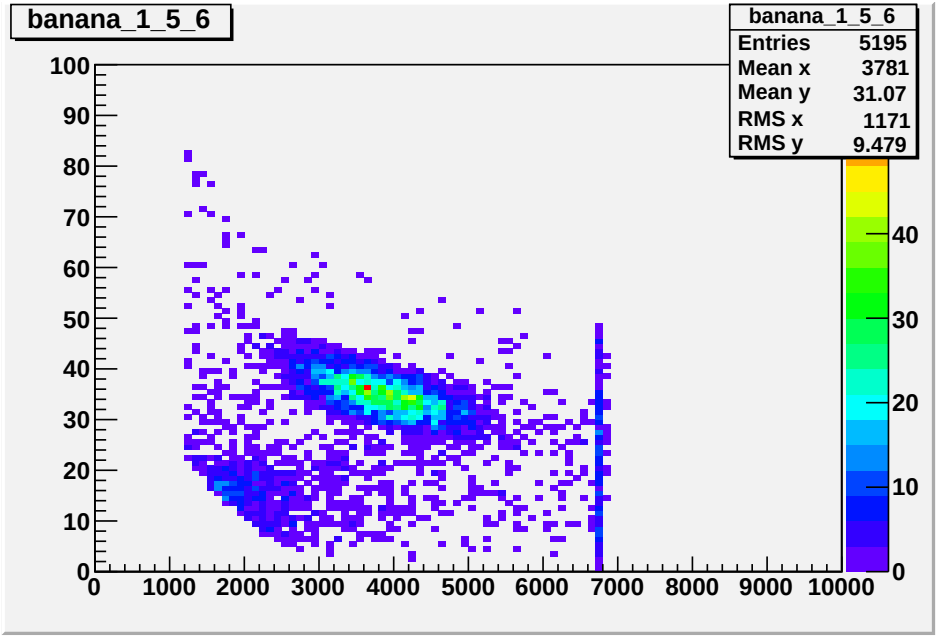
detector 5 blue



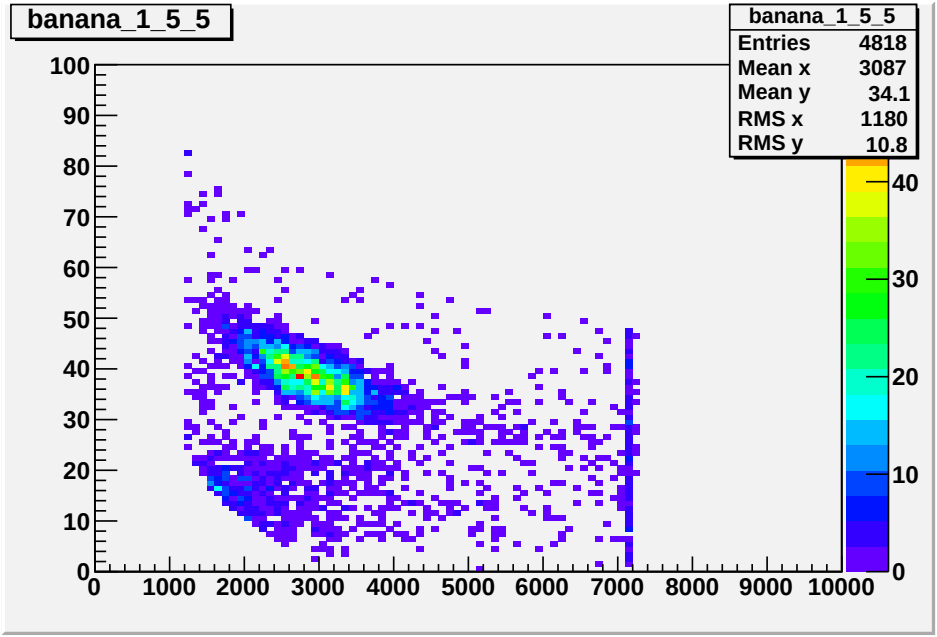
detector 5 strip 15



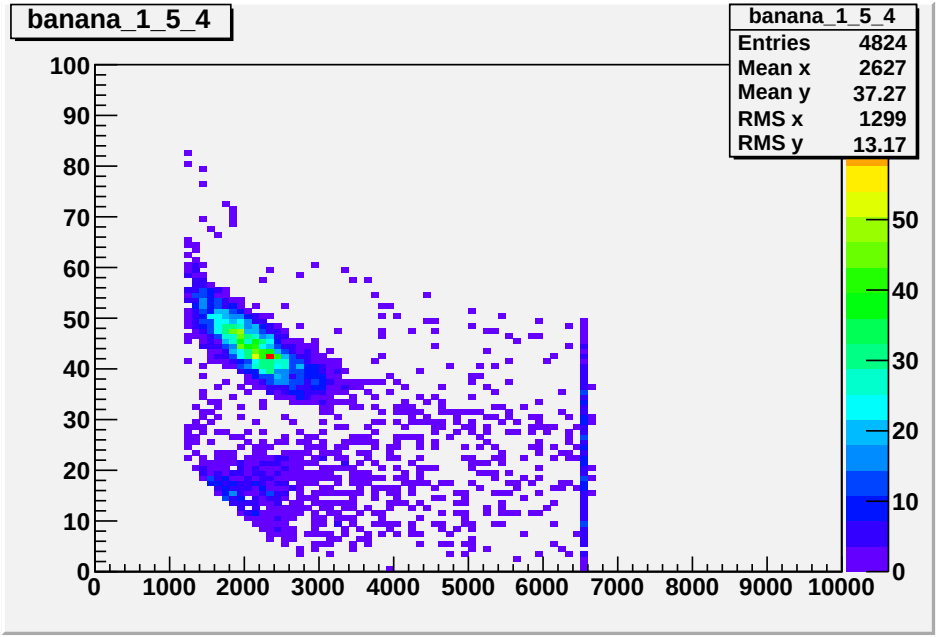
detector 5 strip 14



detector 5 strip 13



detector 5 strip 12



detector 5 strip 12

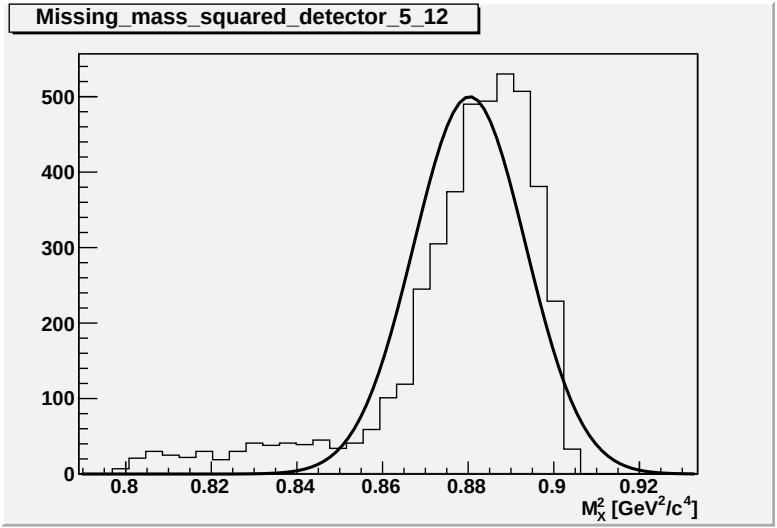
What happens next?

Banana is fit and cut on

Angle of each strip is determined from channel,energy correlation (and magnetic field correction allowed)

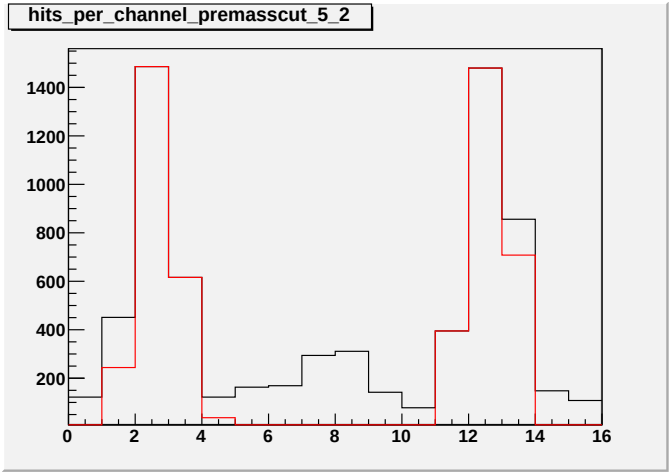
Missing mass calculated

detector 5 strip 12



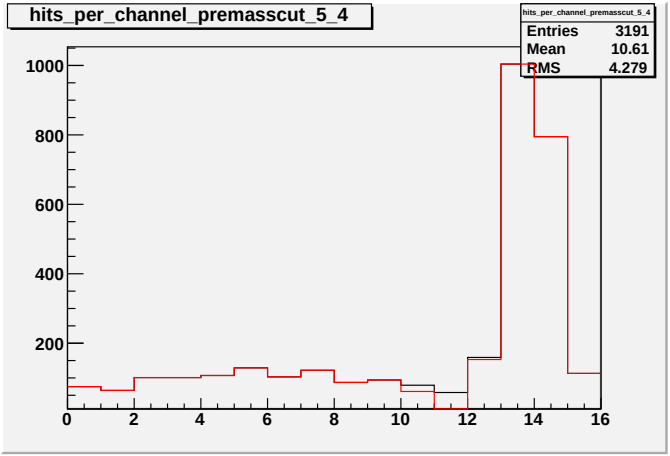
The center is shifted a bit. In 250 GeV, I had a correction to the mass to nudge it to the correct spot. In 24 GeV this correction did wild things to the peak position...

detector 5 2.0 MeV < E < 2.5 MeV



The red is after the missing mass cut. This is what is supposed to happen. The background is determined from the side channels and how much the mass cut gets rid of. It allows to easily use variable number of signal channels depending on detector and energy bin, and not throw away statistics.

Incorrect mass correction



The incorrect correction (bug) for 24 GeV moved pretty much everything under the peak. The background determination got confused by the mass cut doing nothing, and figure the "variable" number of signal channels was all of them...stupid! So, I just removed this extra mass correction since it is not necessary anyway.