sPHENIX Test Beam T-1044 Energy Scan

Event Selection: C1, C2, Vetos

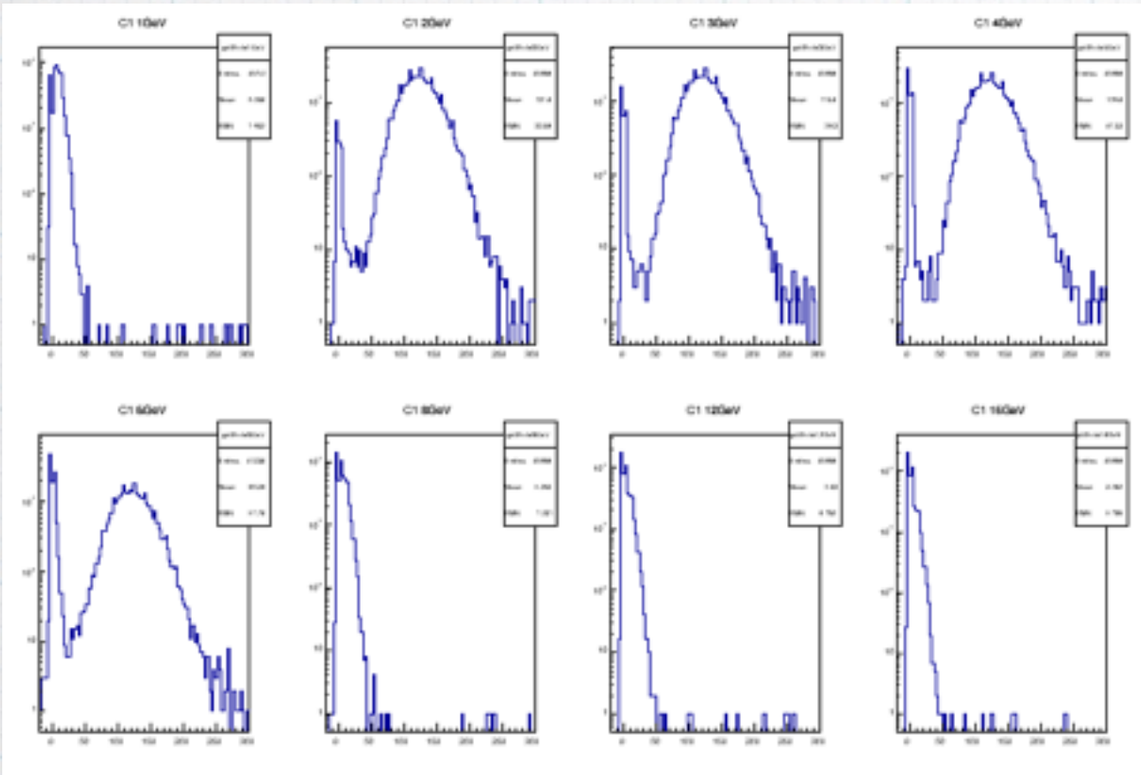
Energy Scan (UIUC centered, Tower 21, 350k Events)

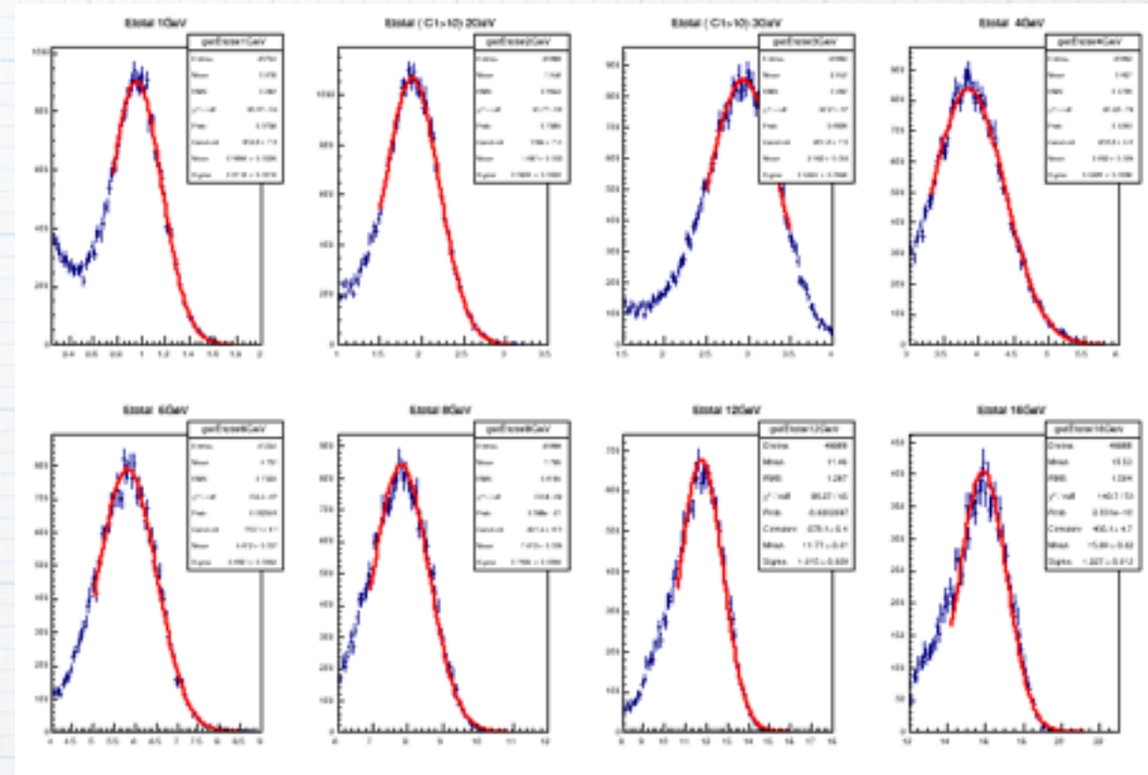
Vera Loggins
May 3, 2016

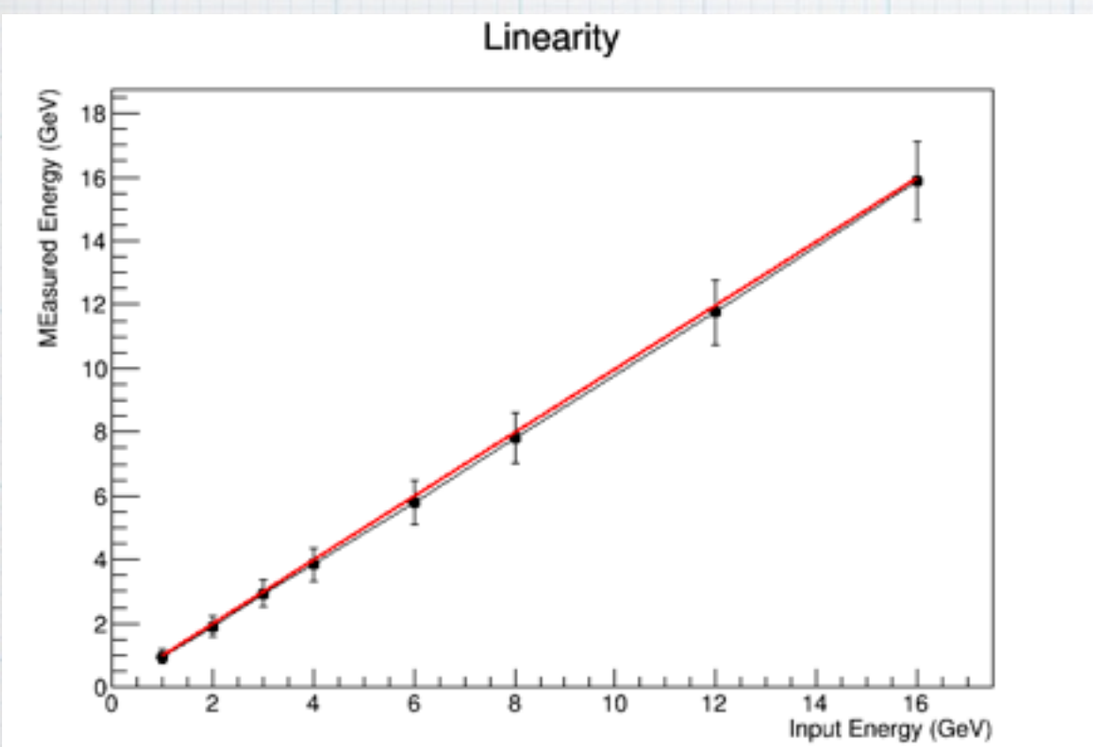
https://wiki.bnl.gov/sPHENIX/index.php/T-1044/EMCal_good_run_note#Energy_Scan_.28UIUC_centered.2C_Tower_21.2C_350k_Events.29

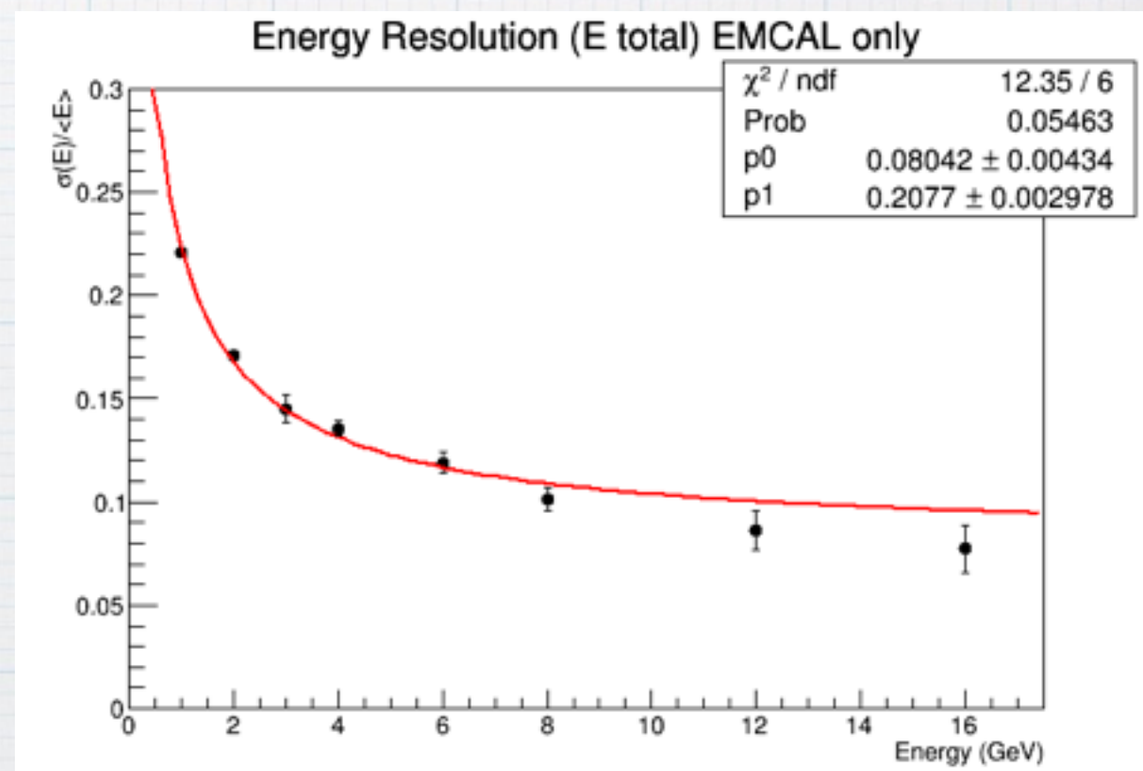
No Cuts

in wiki





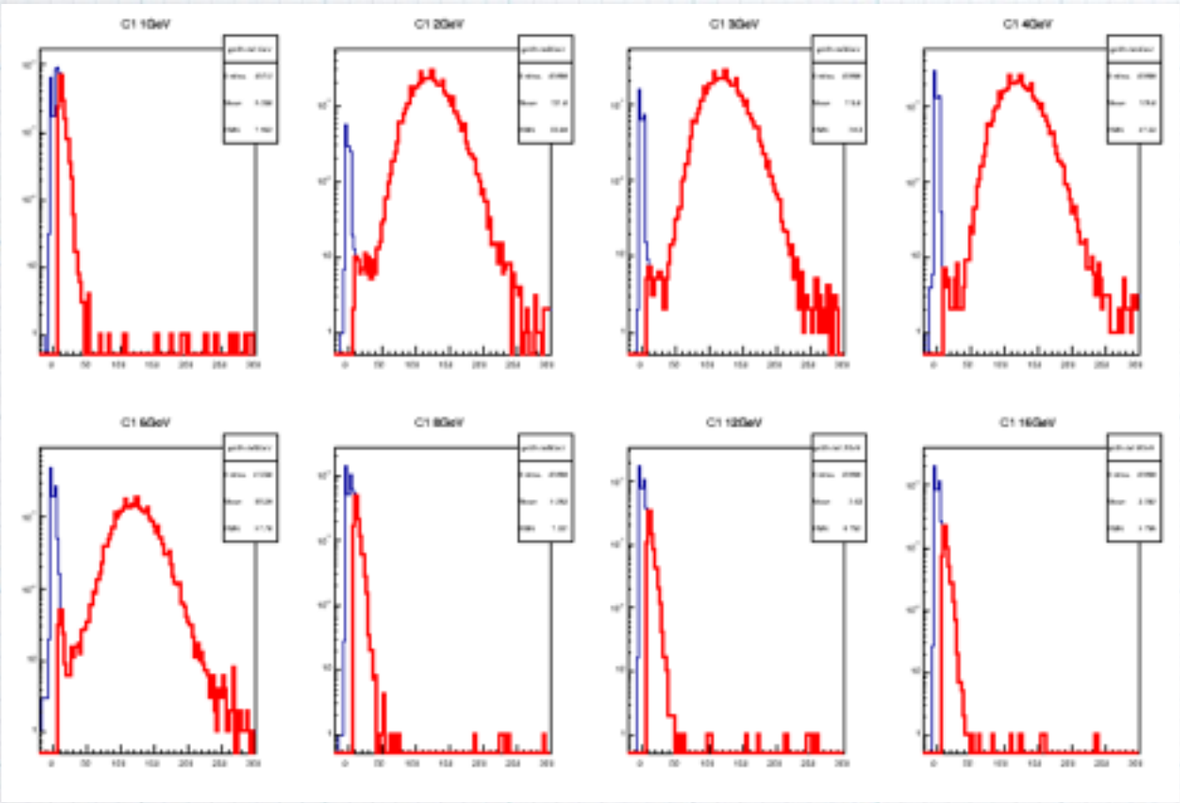


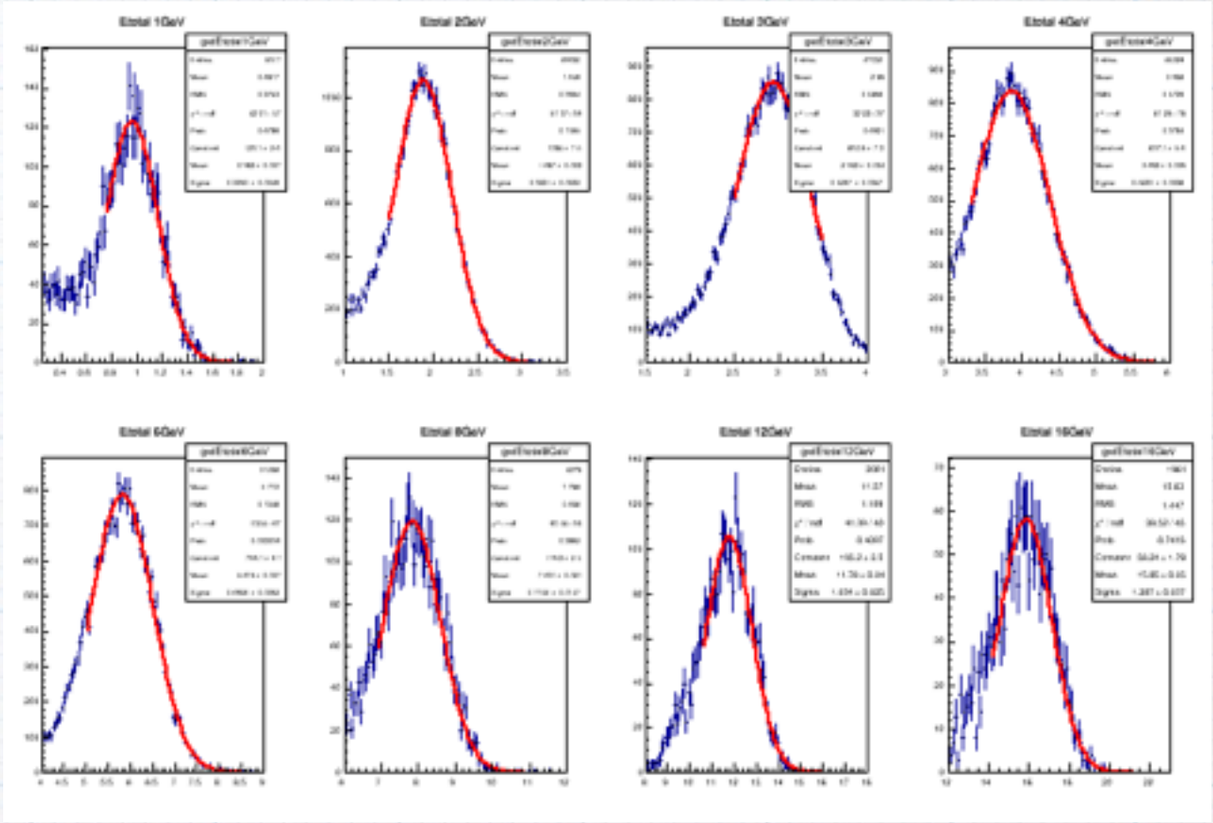


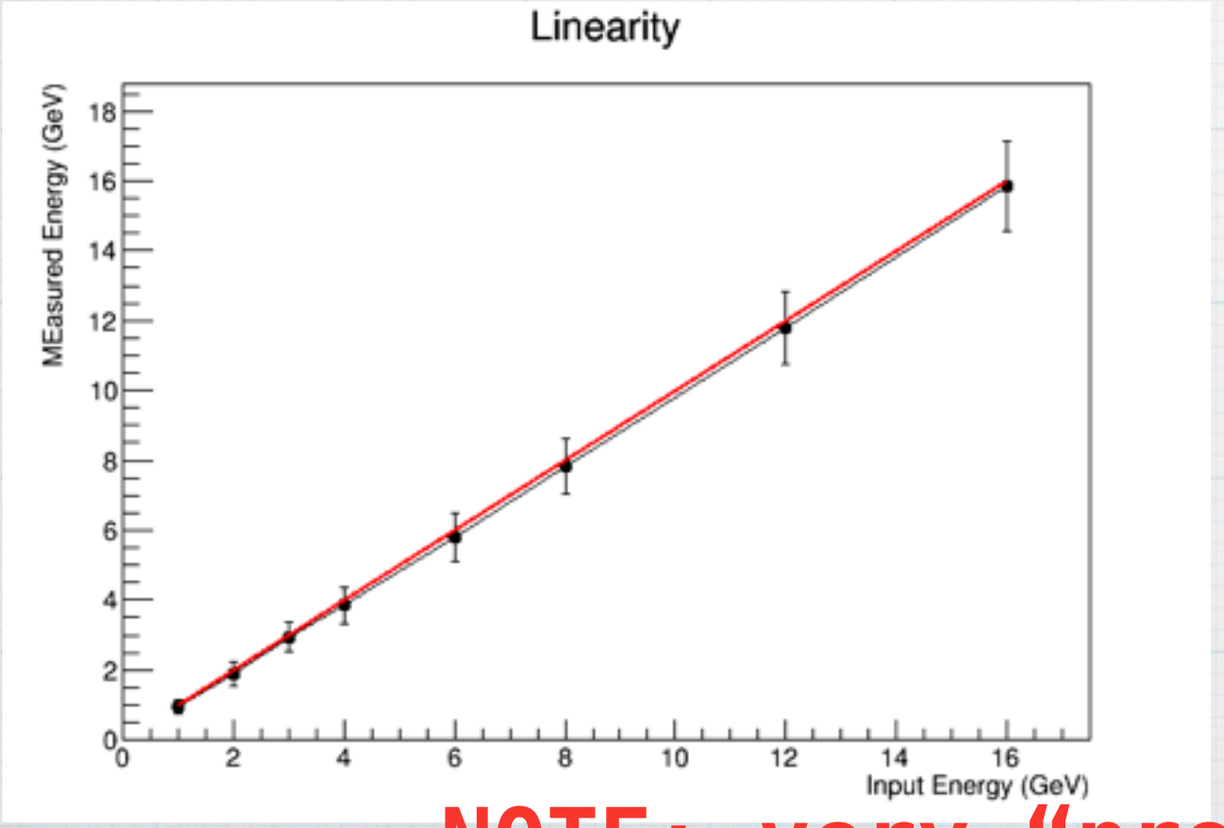
NOTE: very “preliminary plots”

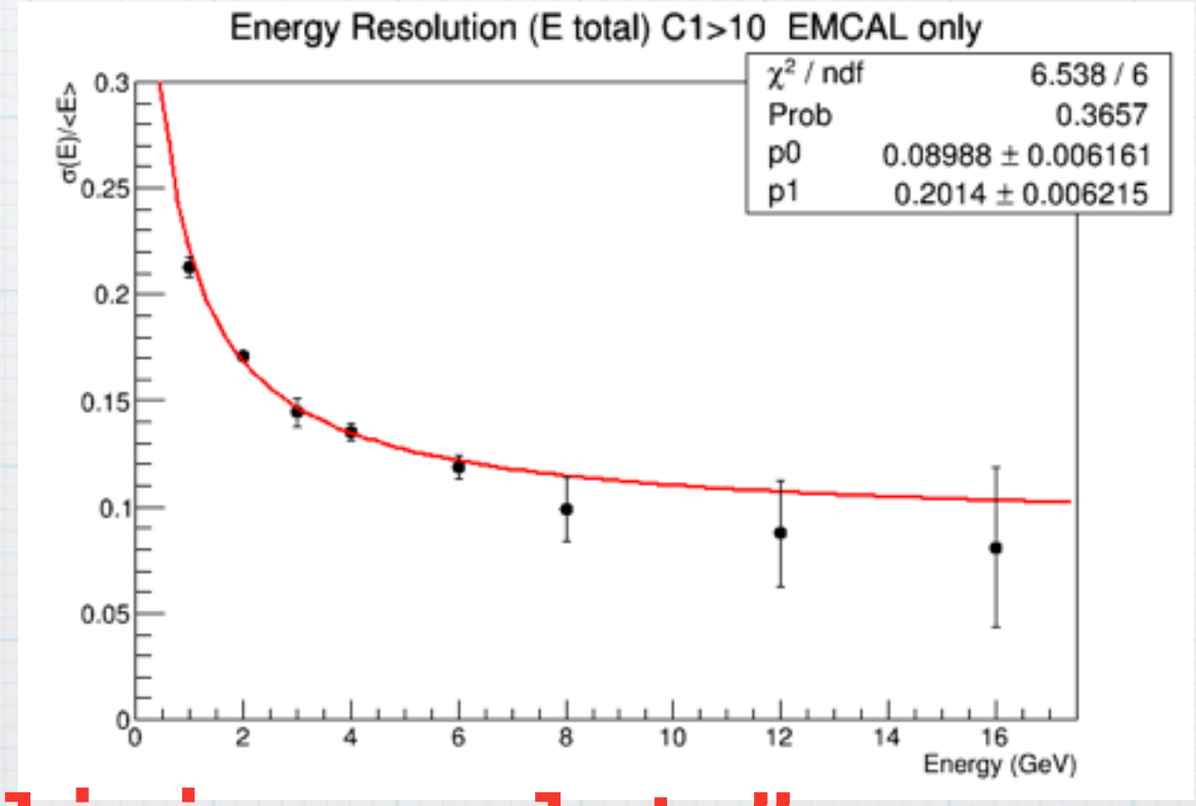
C1>10

in wiki





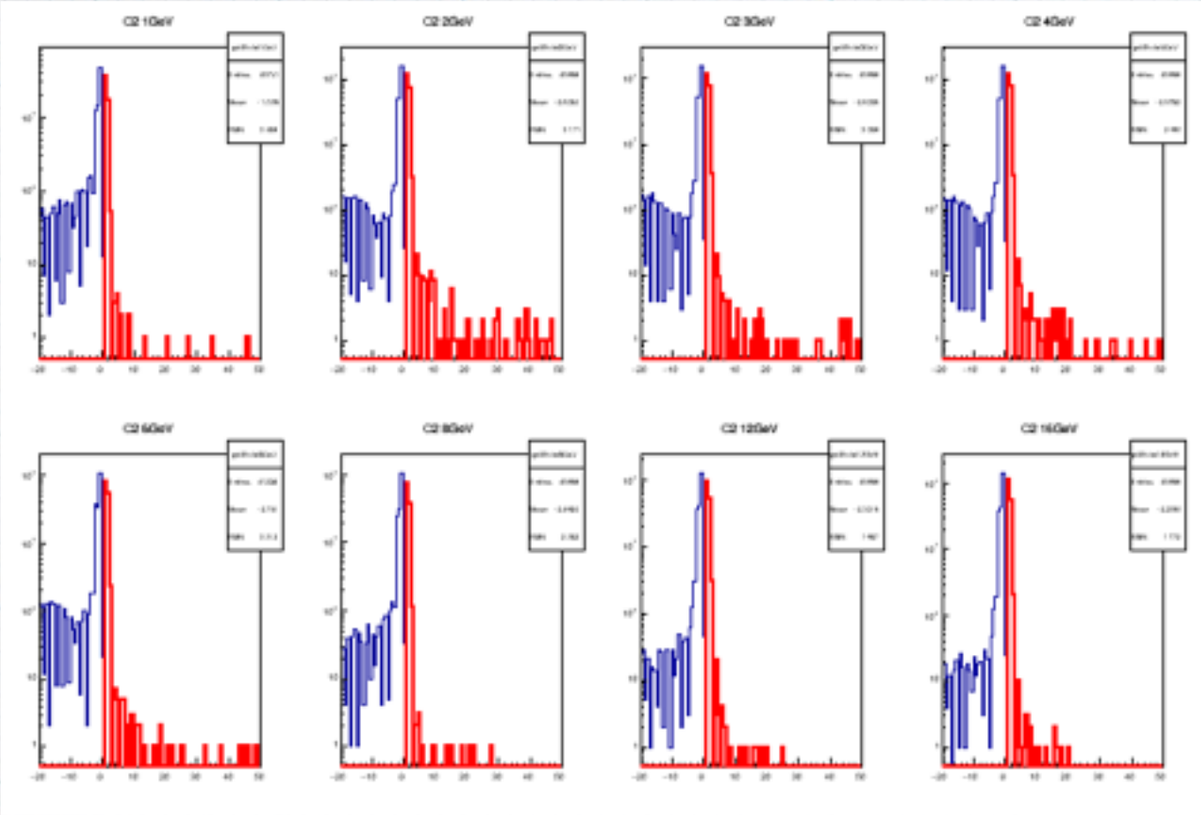


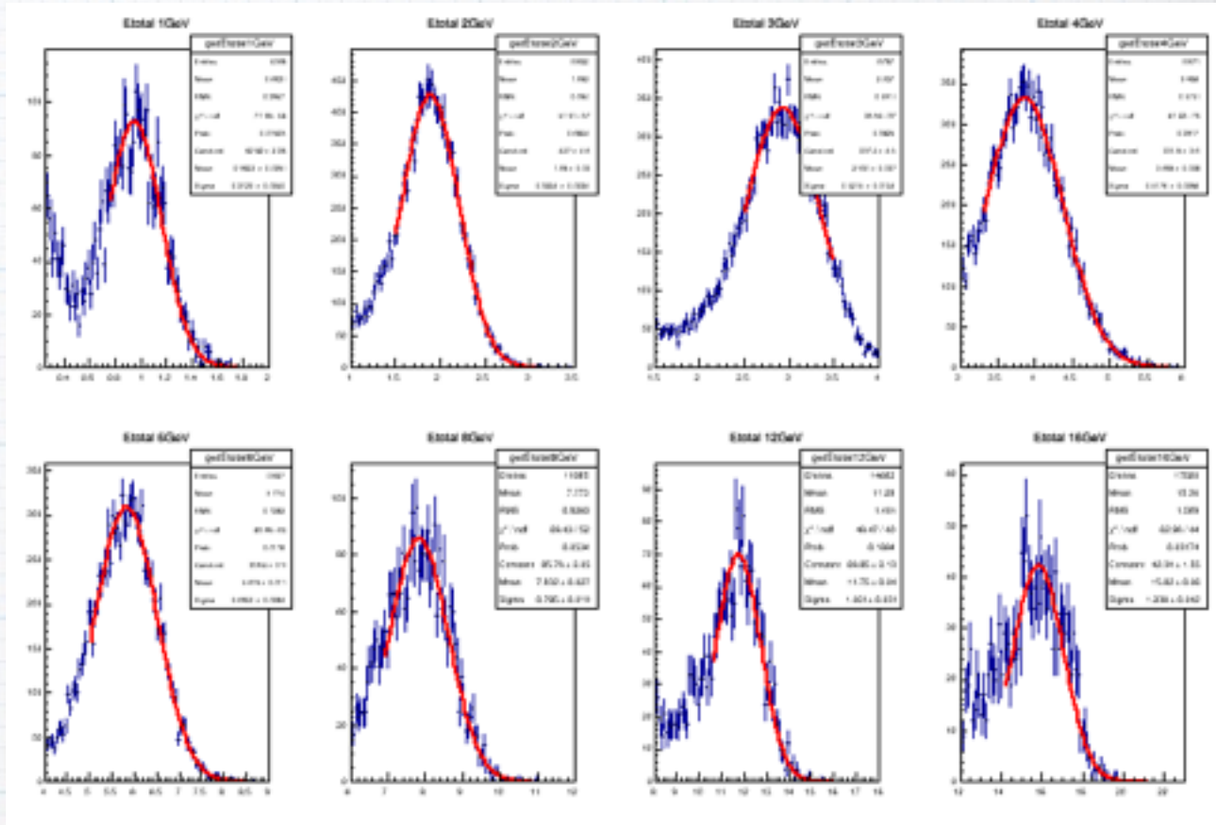


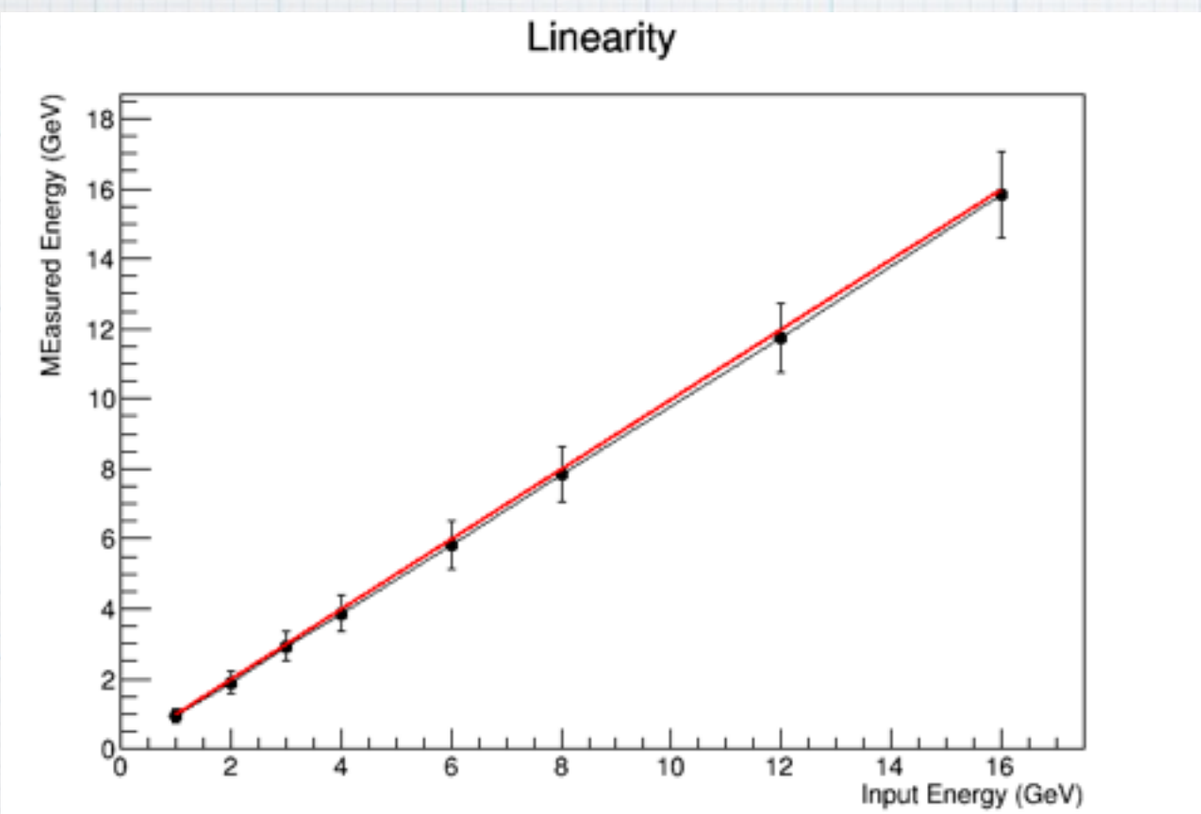
NOTE: very “preliminary plots”

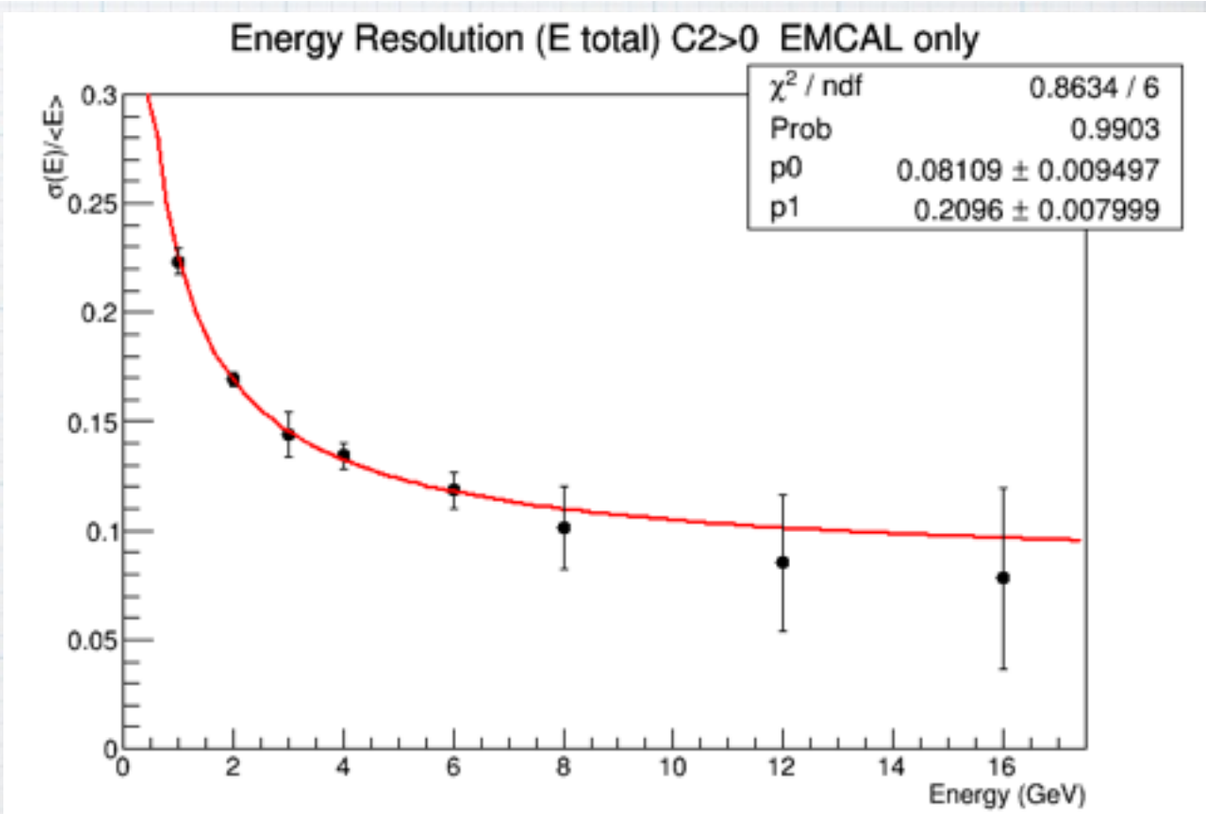
C2>0

in wiki





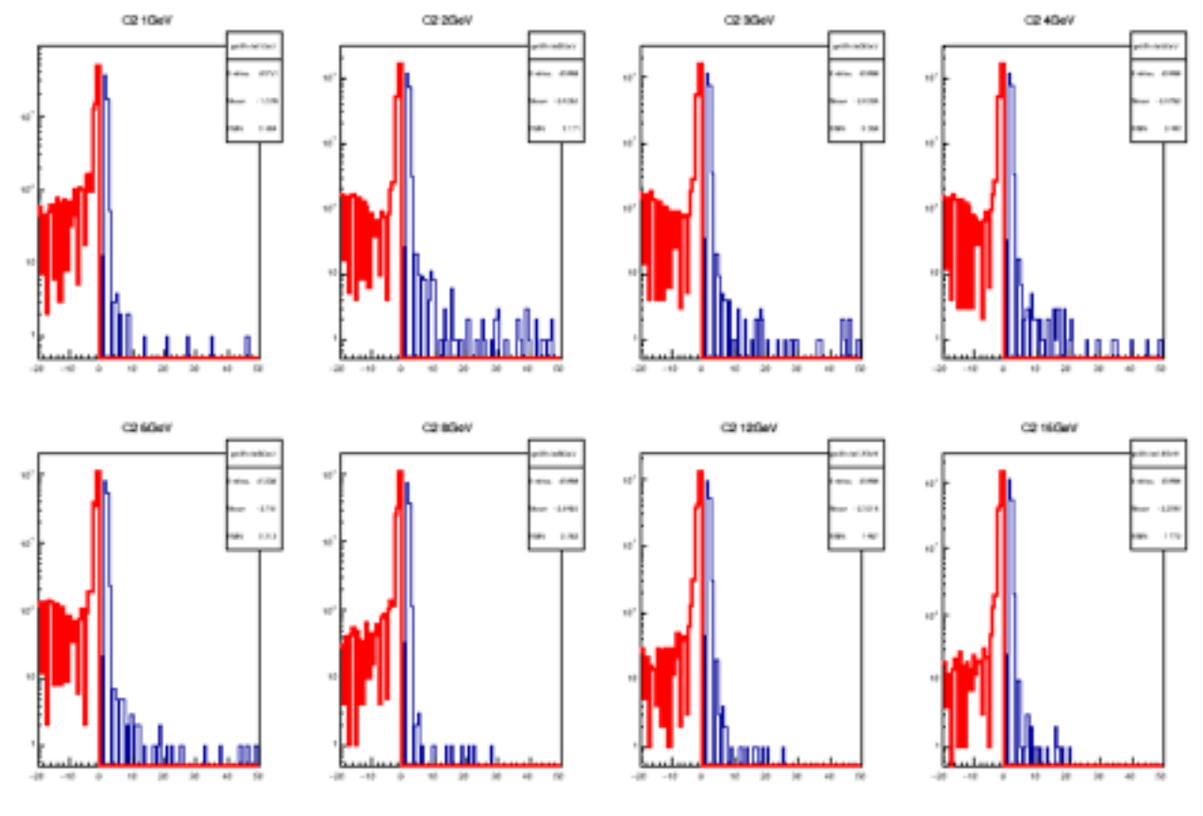


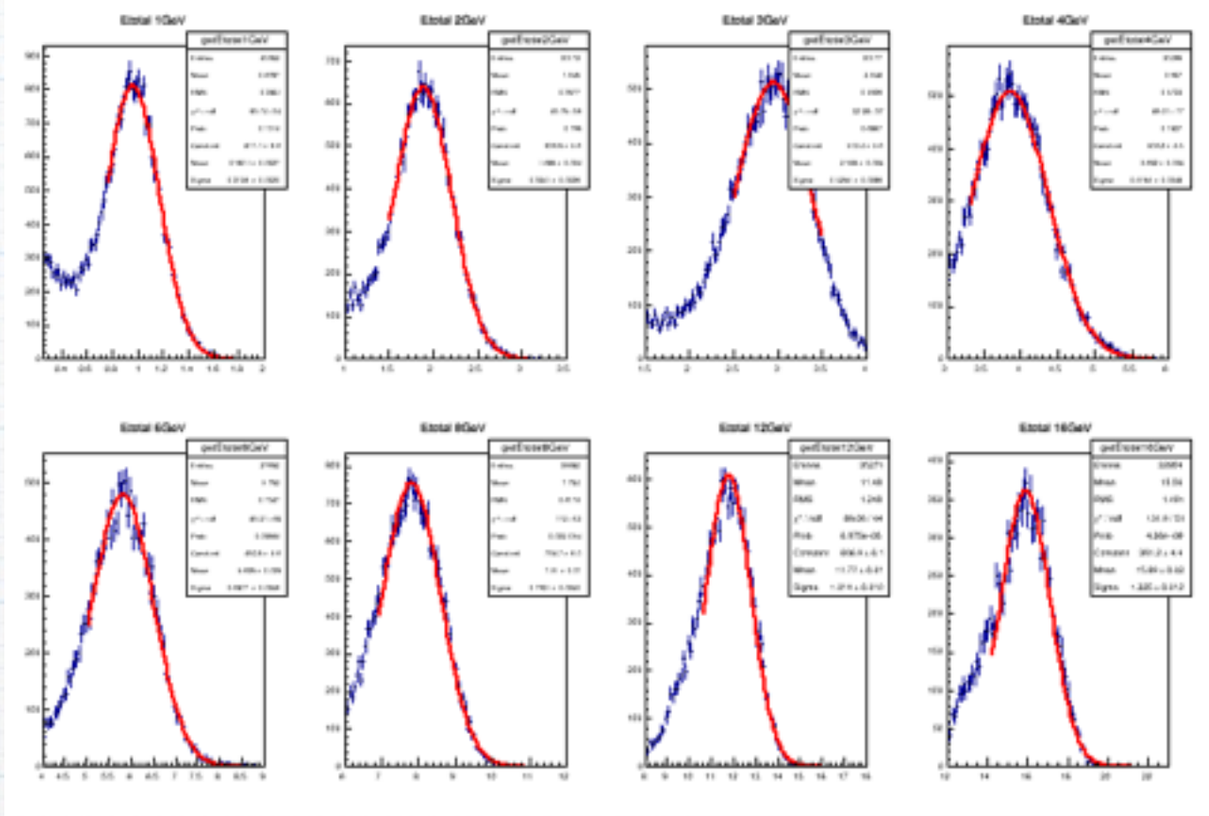


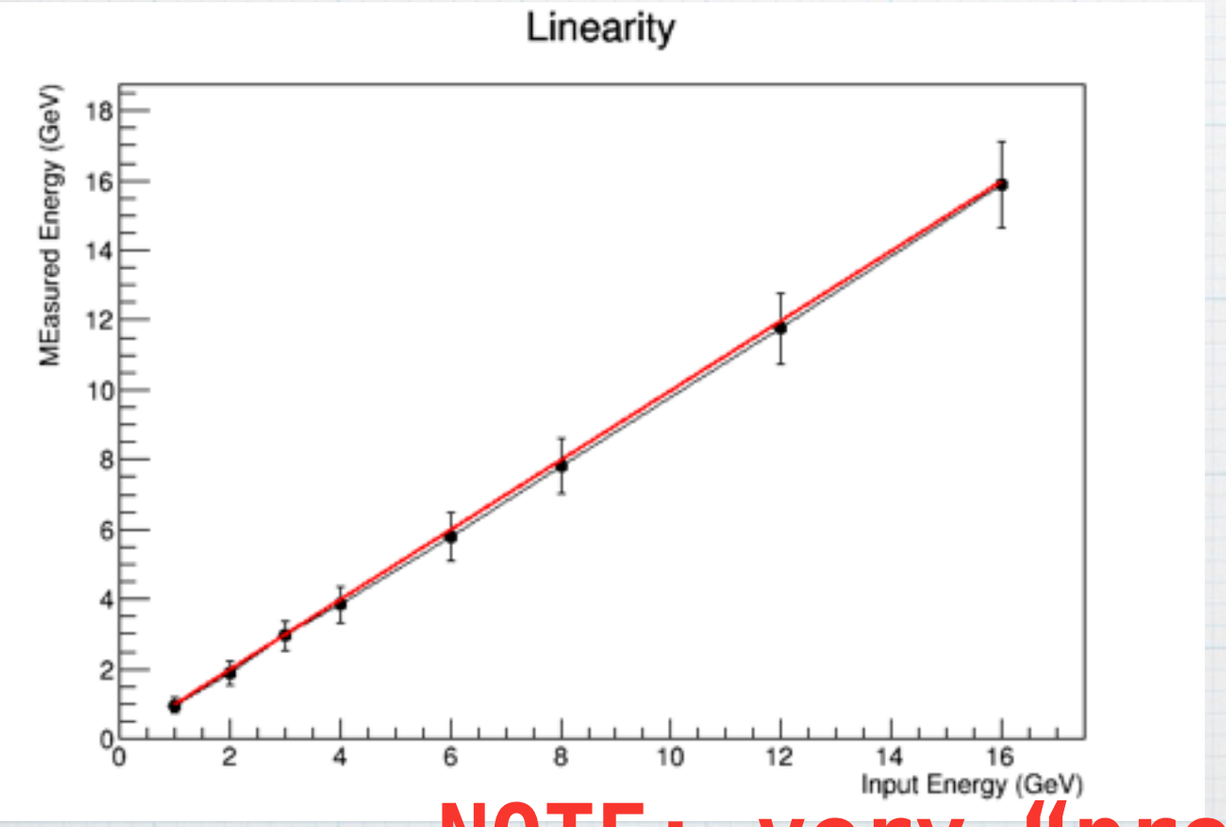
NOTE: very “preliminary plots”

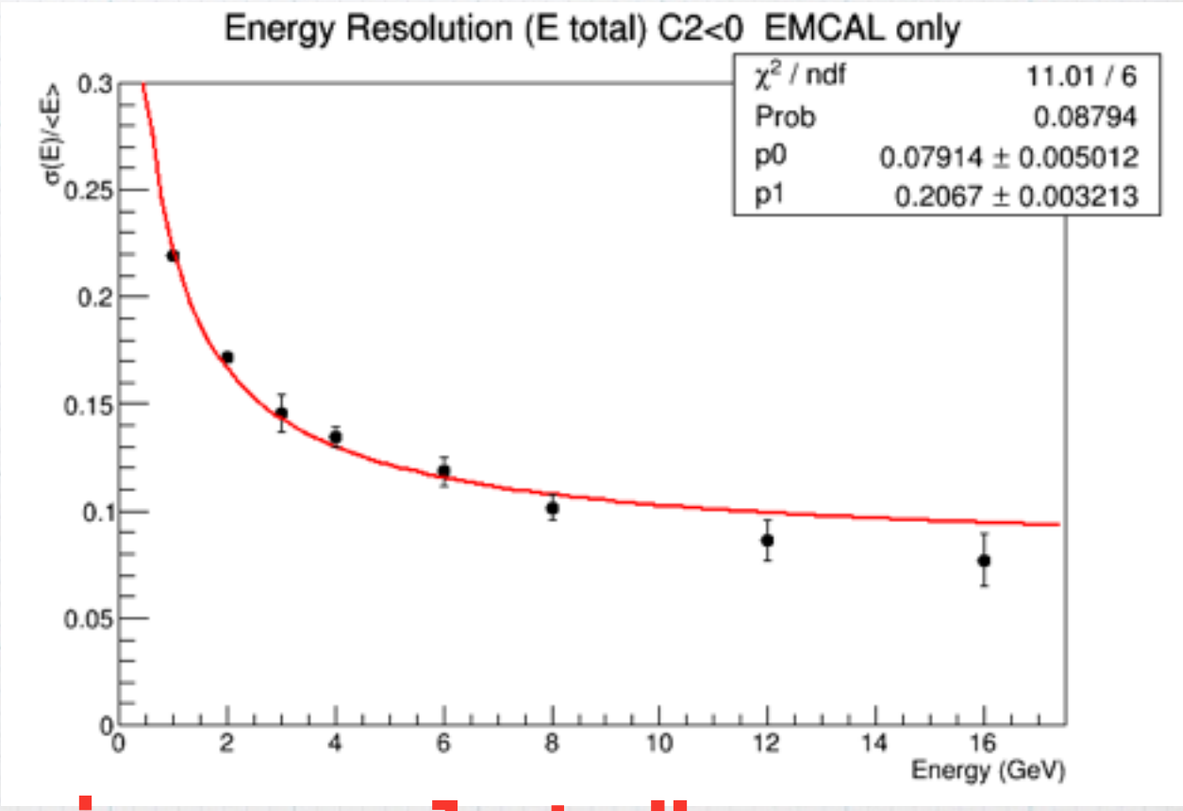
C2<0

in wiki



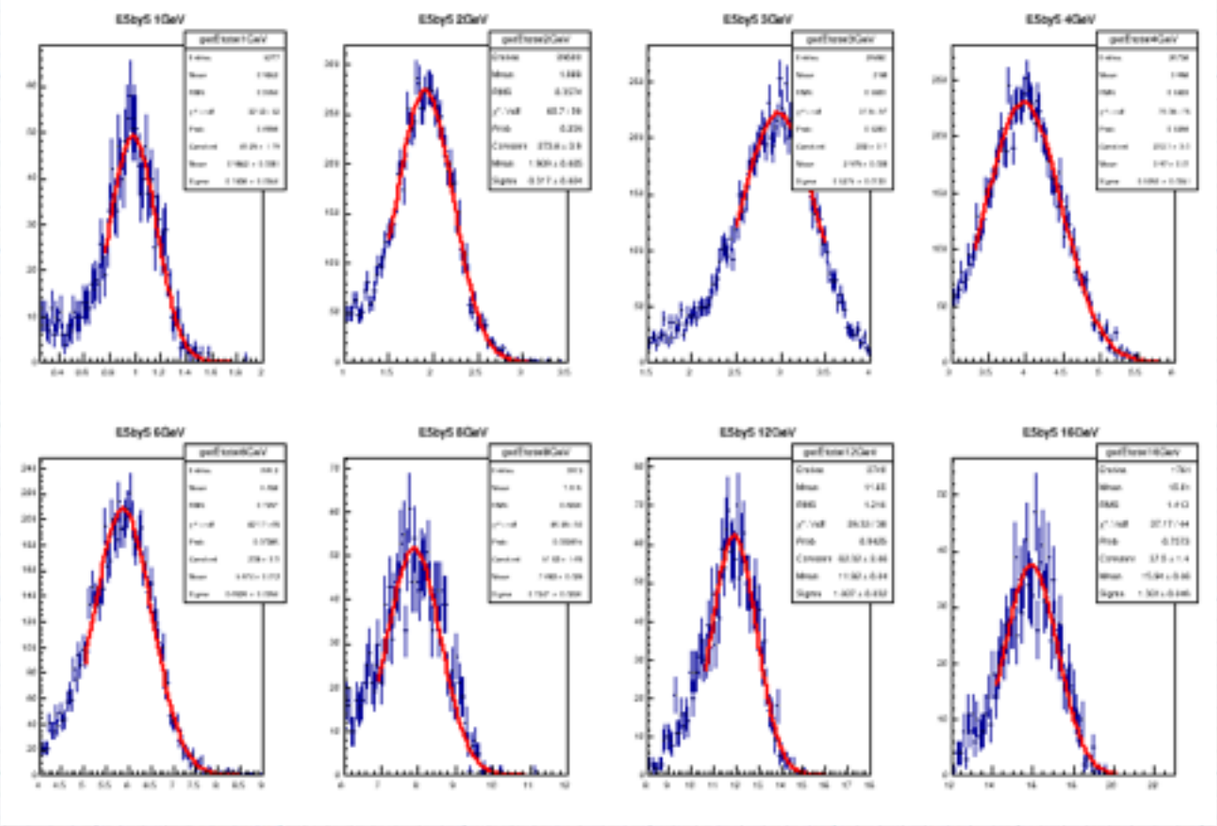


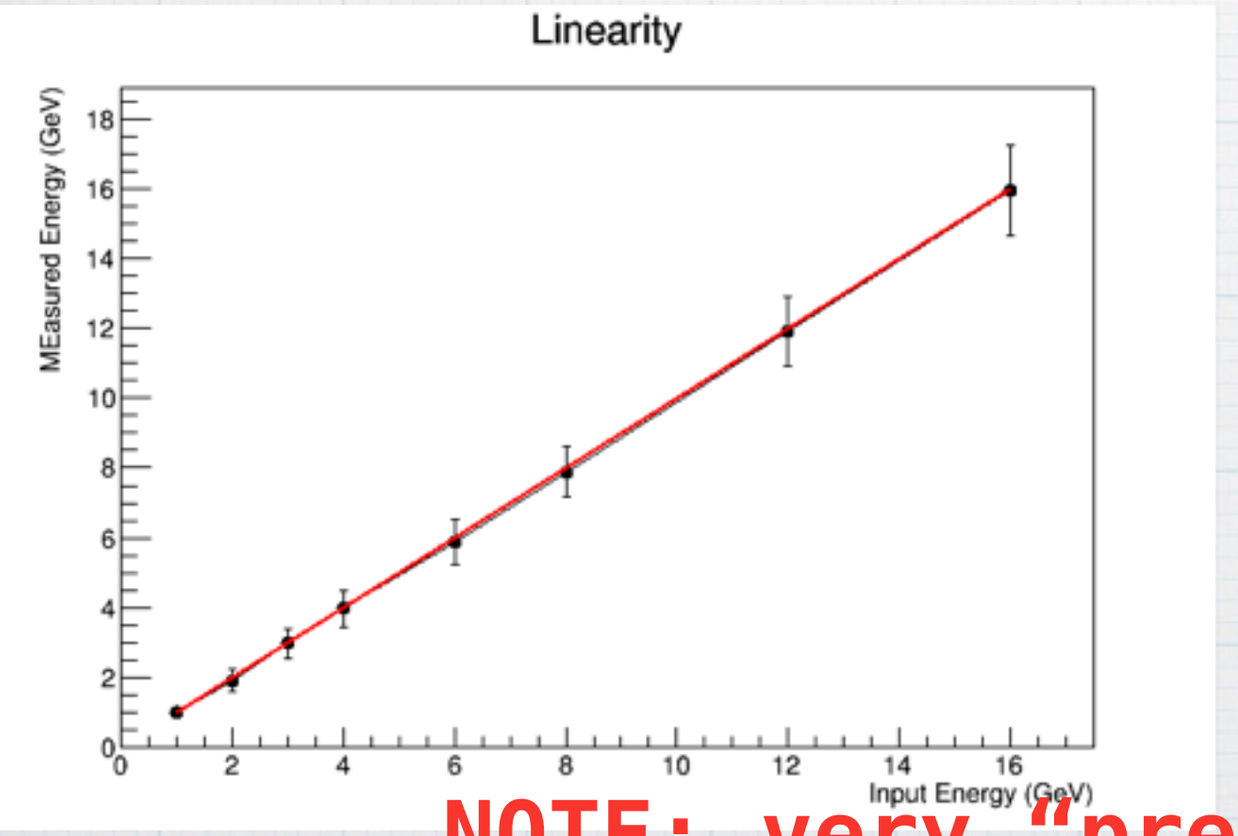


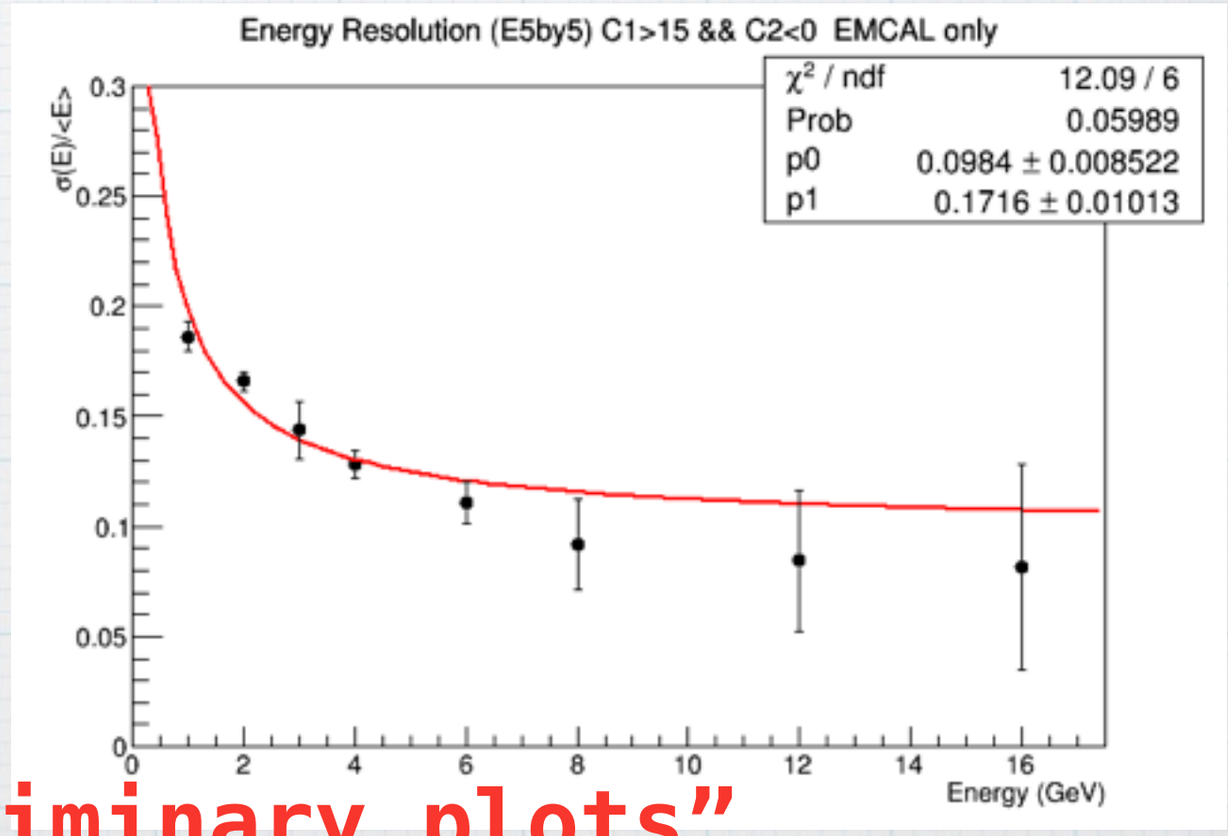


NOTE: very “preliminary plots”

E5by5: C1>15 && C2<0

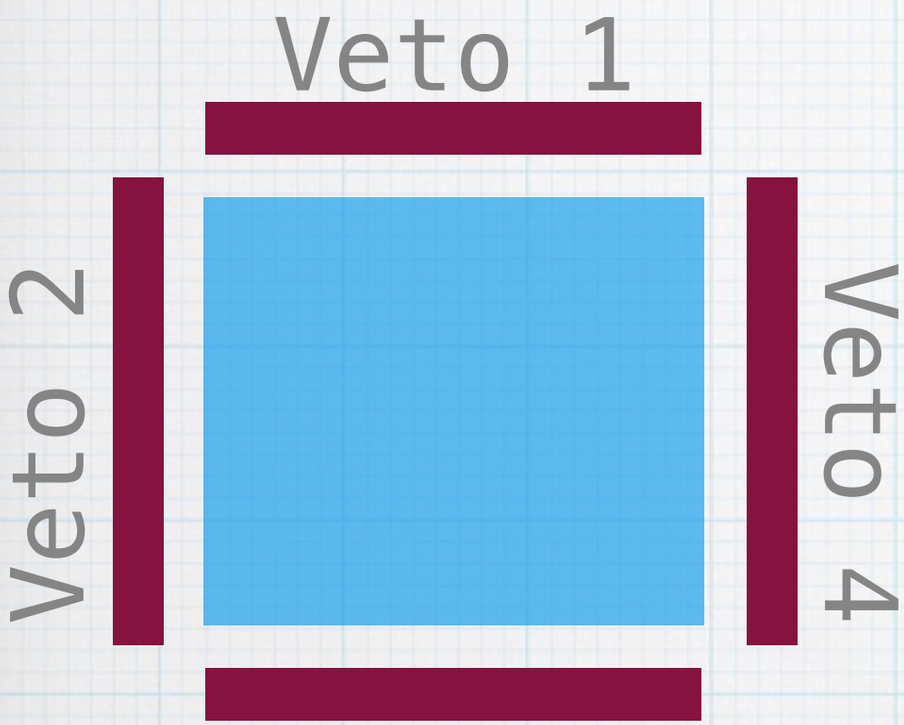


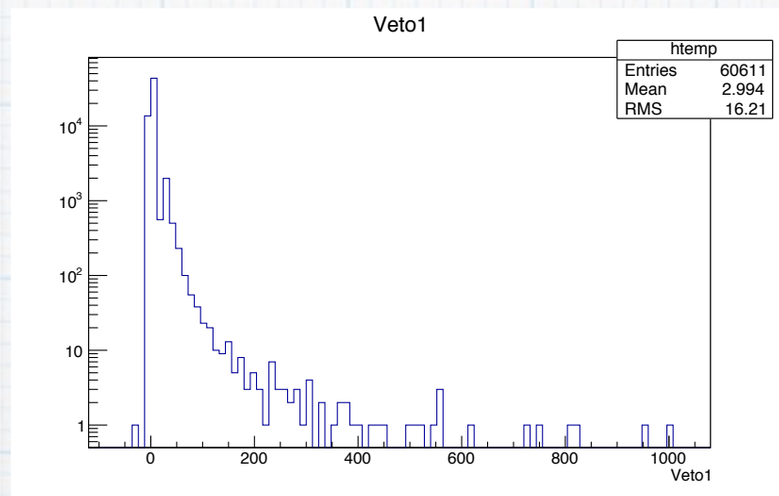


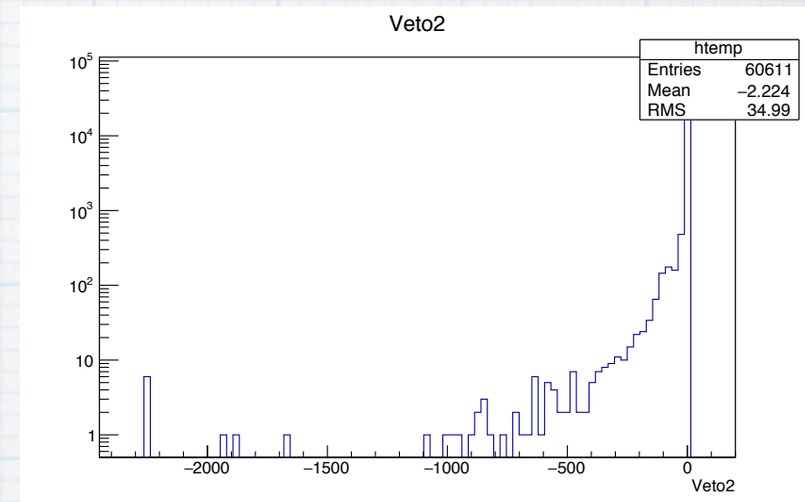


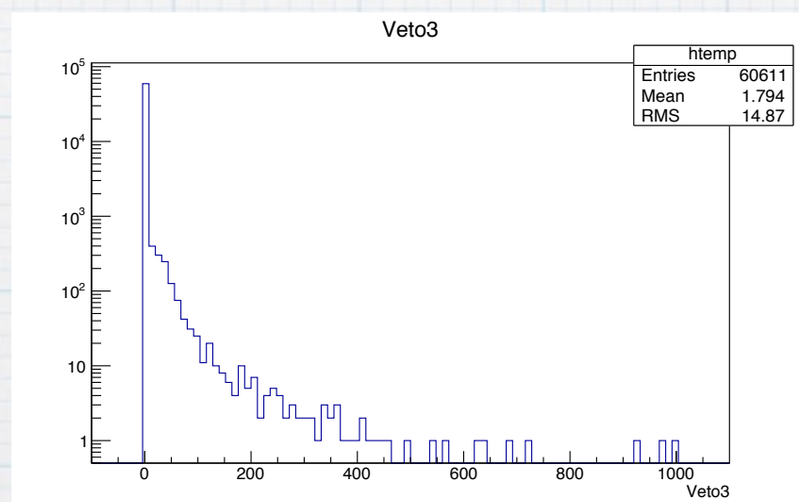
NOTE: very "preliminary plots"

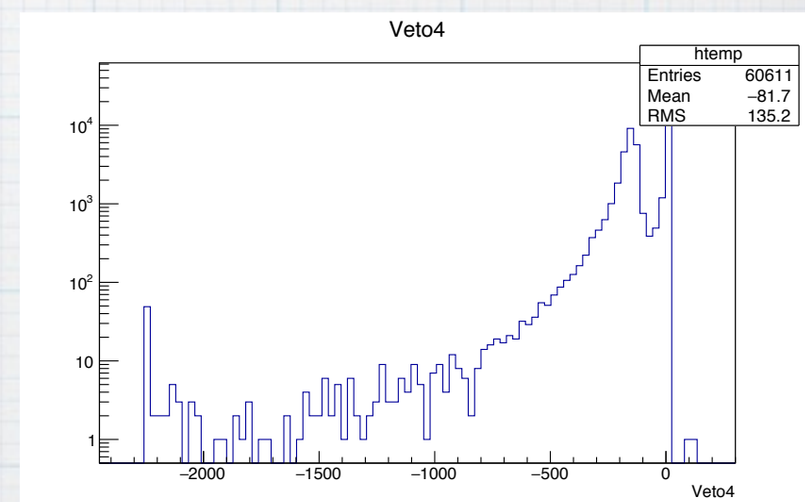
Veto Distribution











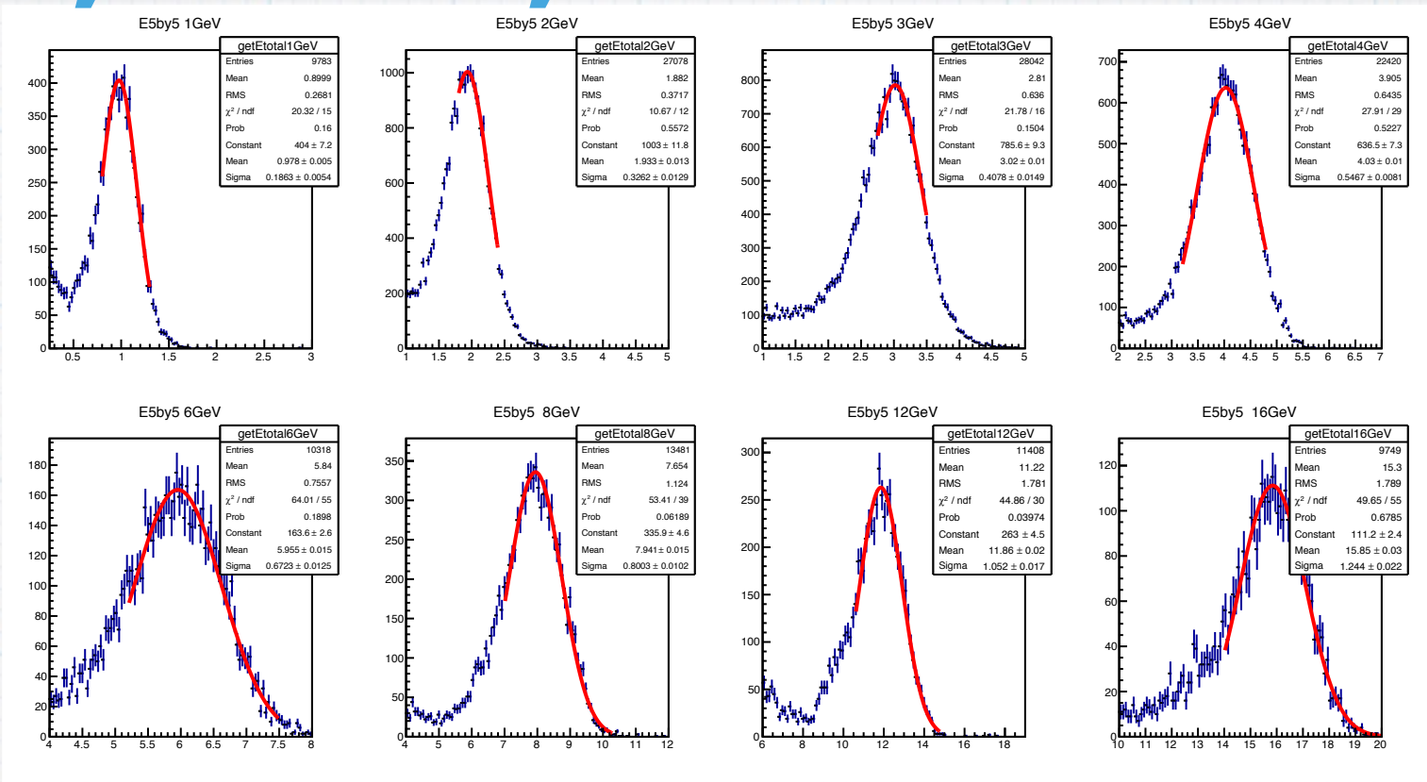
Veto cut: "Valid Veto" Is there is a hit in either Veto1, Veto2, Veto3, or Veto4?

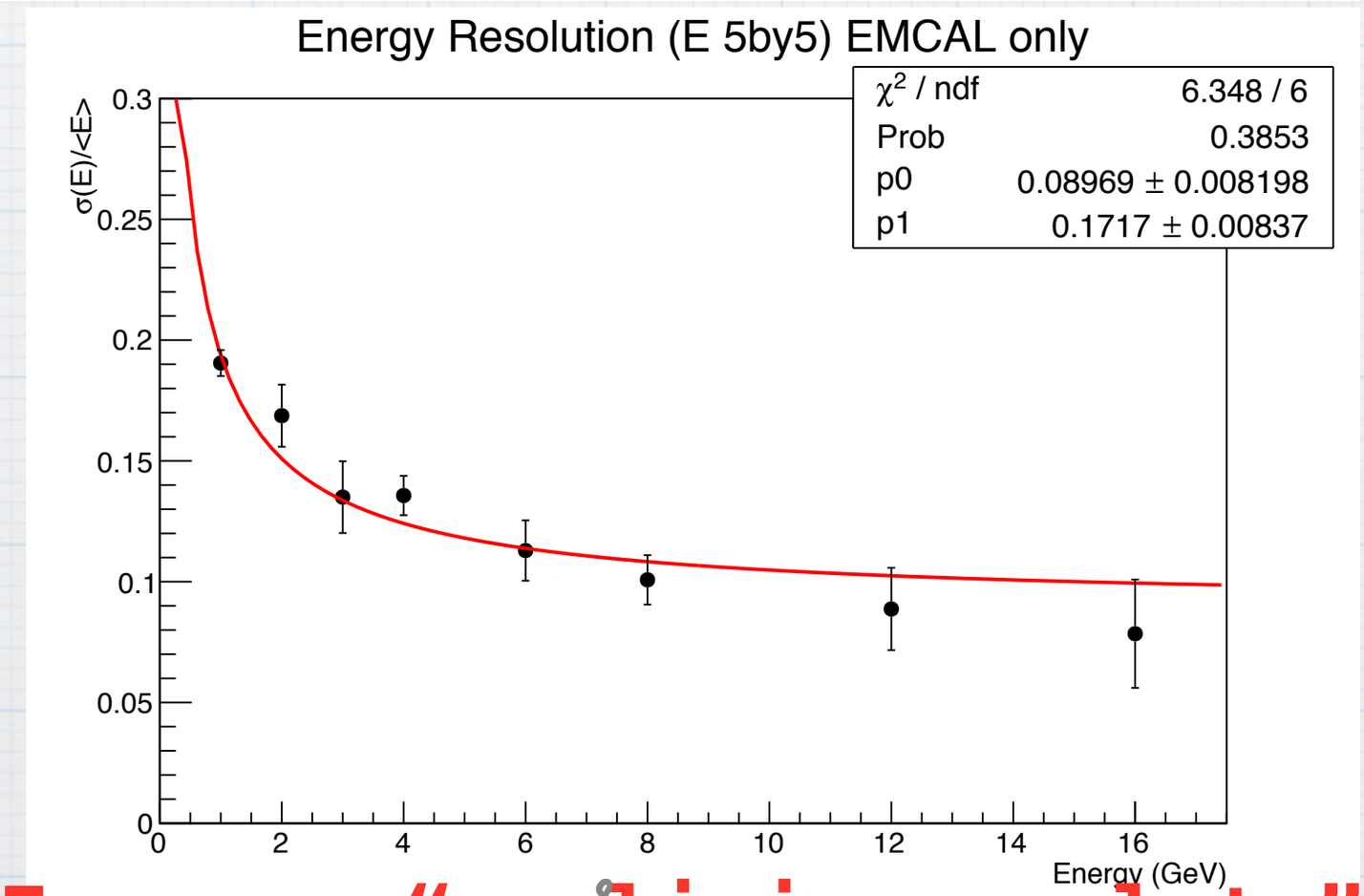
NOTE: very "preliminary plots"

C1>15,C2<0, & Veto cuts

cuts applied:

|Veto1| < 2
|Veto2| < 2
|Veto3| < 2
|Veto4| < 160
C1>15
C2<0





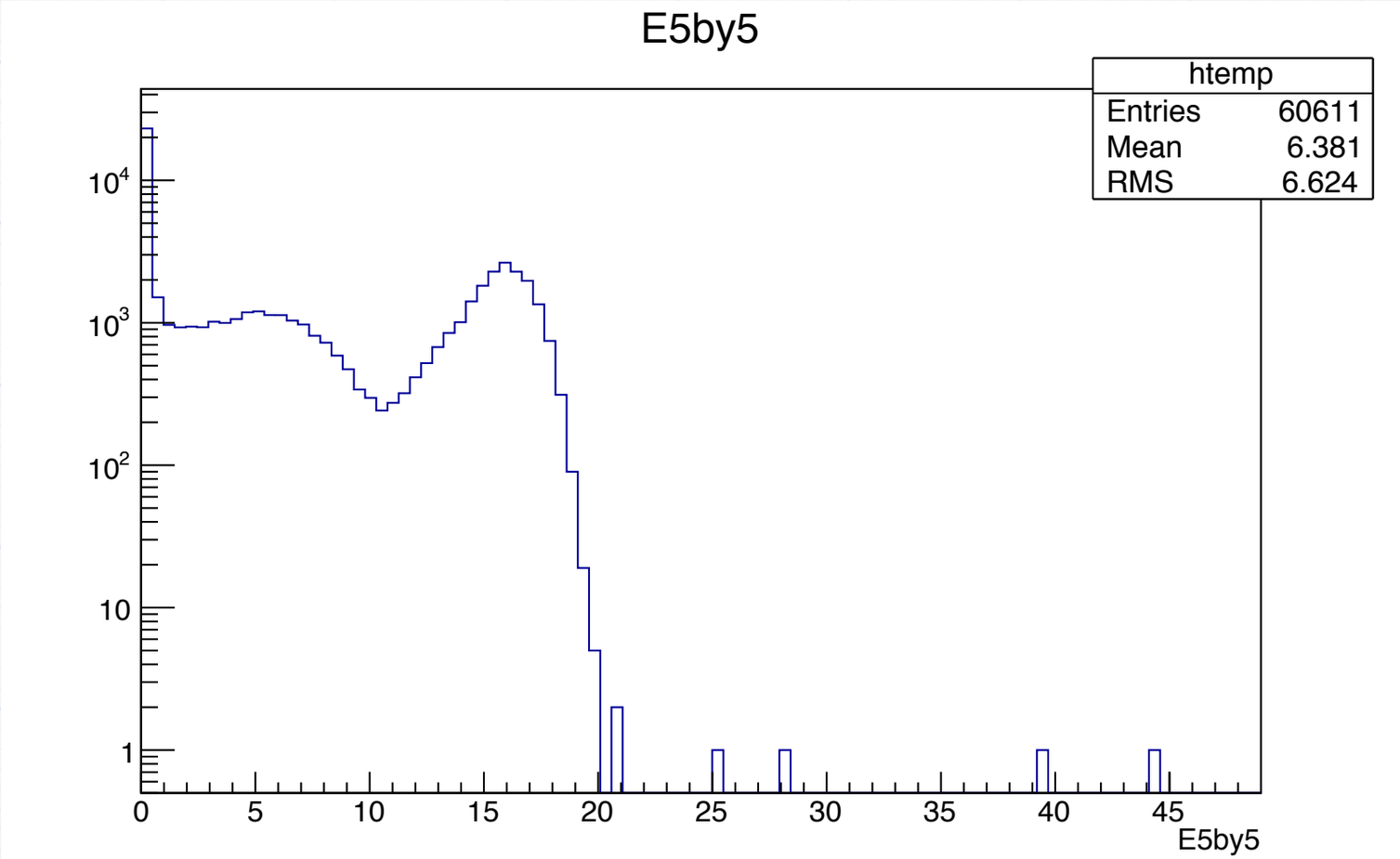
NOTE: very “preliminary plots”

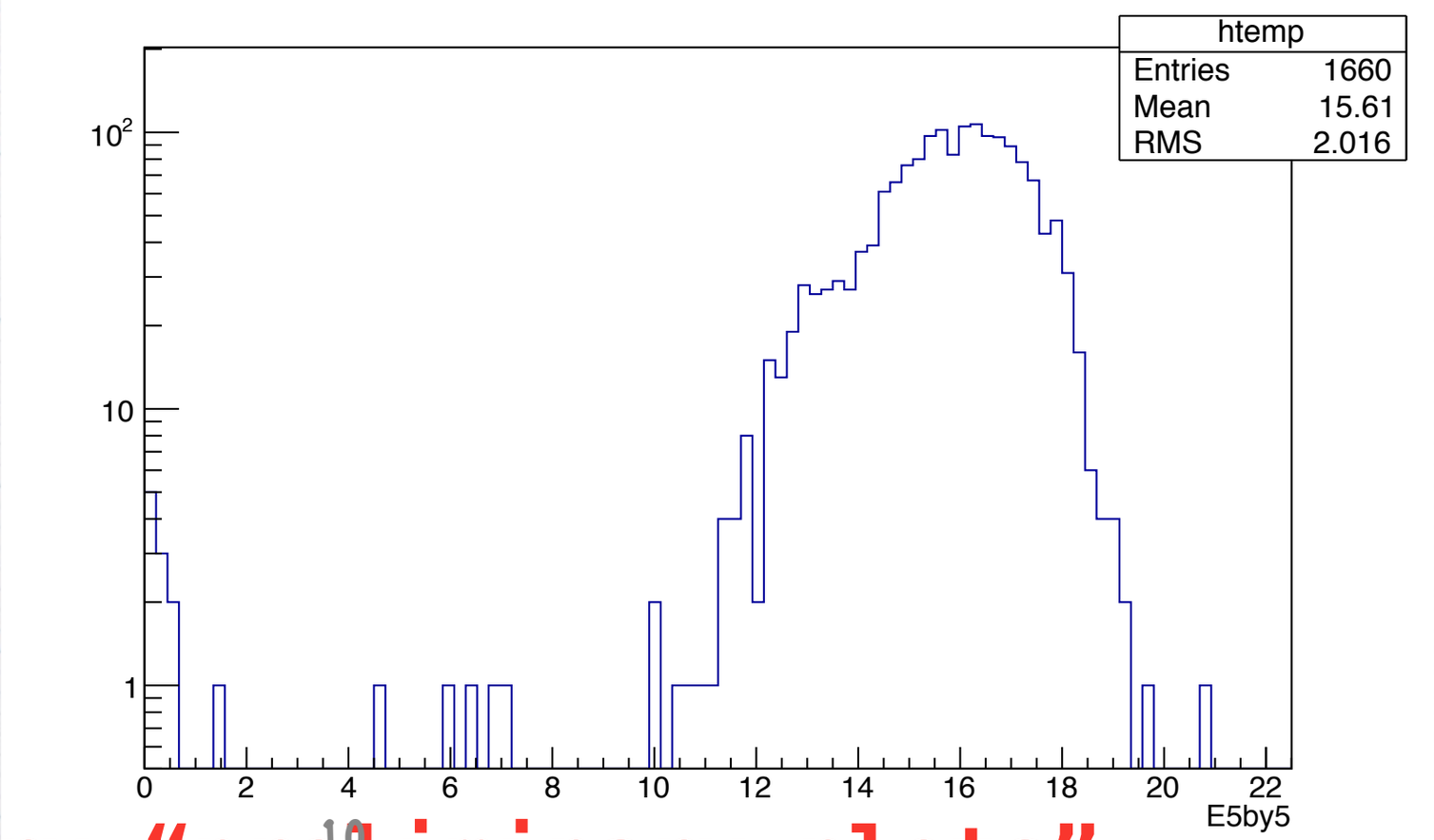
Backup slides

E5by5: 16 GeV

cuts applied:

|Veto1| < 2
|Veto2| < 2
|Veto3| < 2
|Veto4| < 160
C1>15
C2<0





NOTE: very “preliminary plots”