

JET Z VERTEX

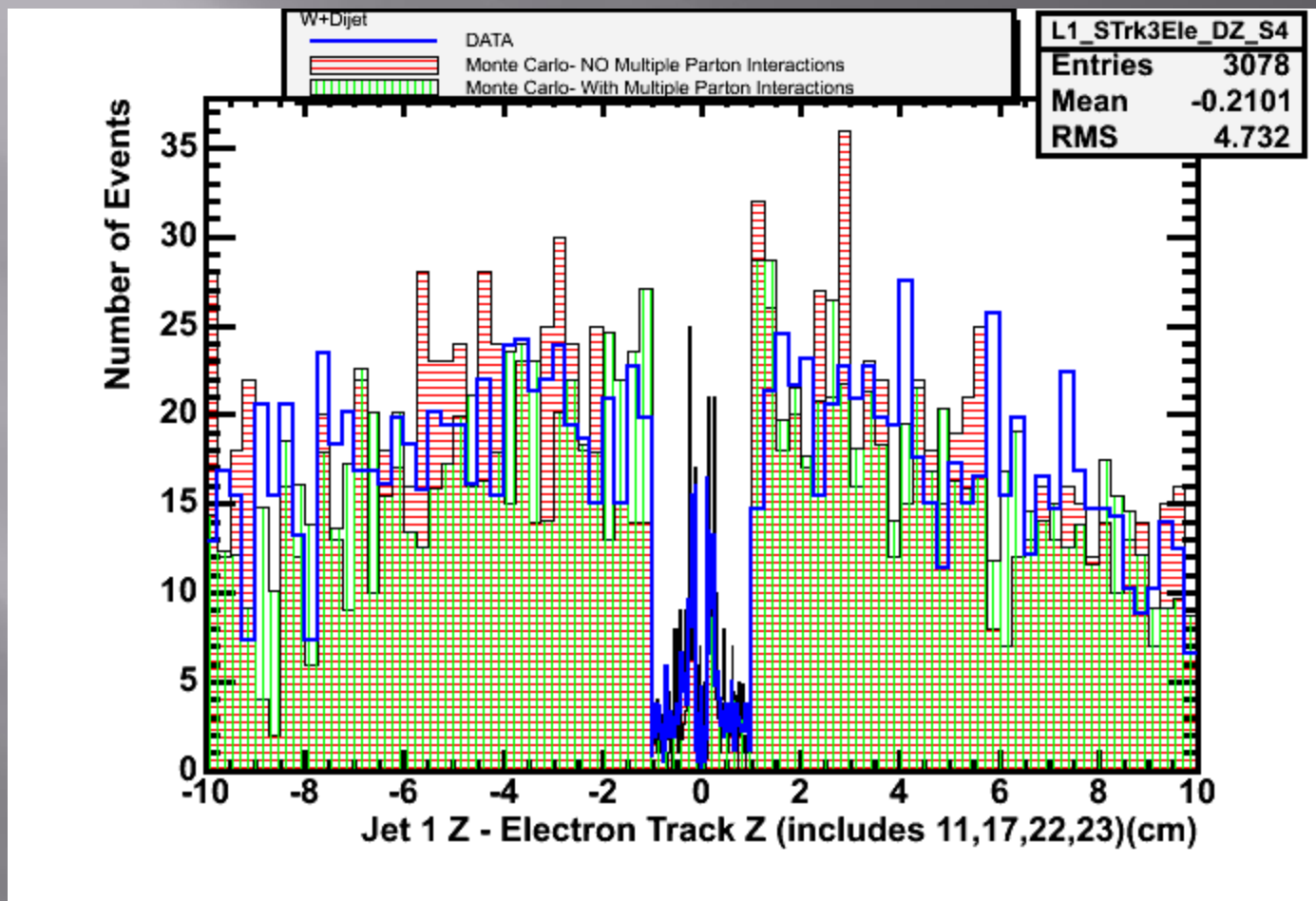
Varsha Ramakrishnan

10/05/2009

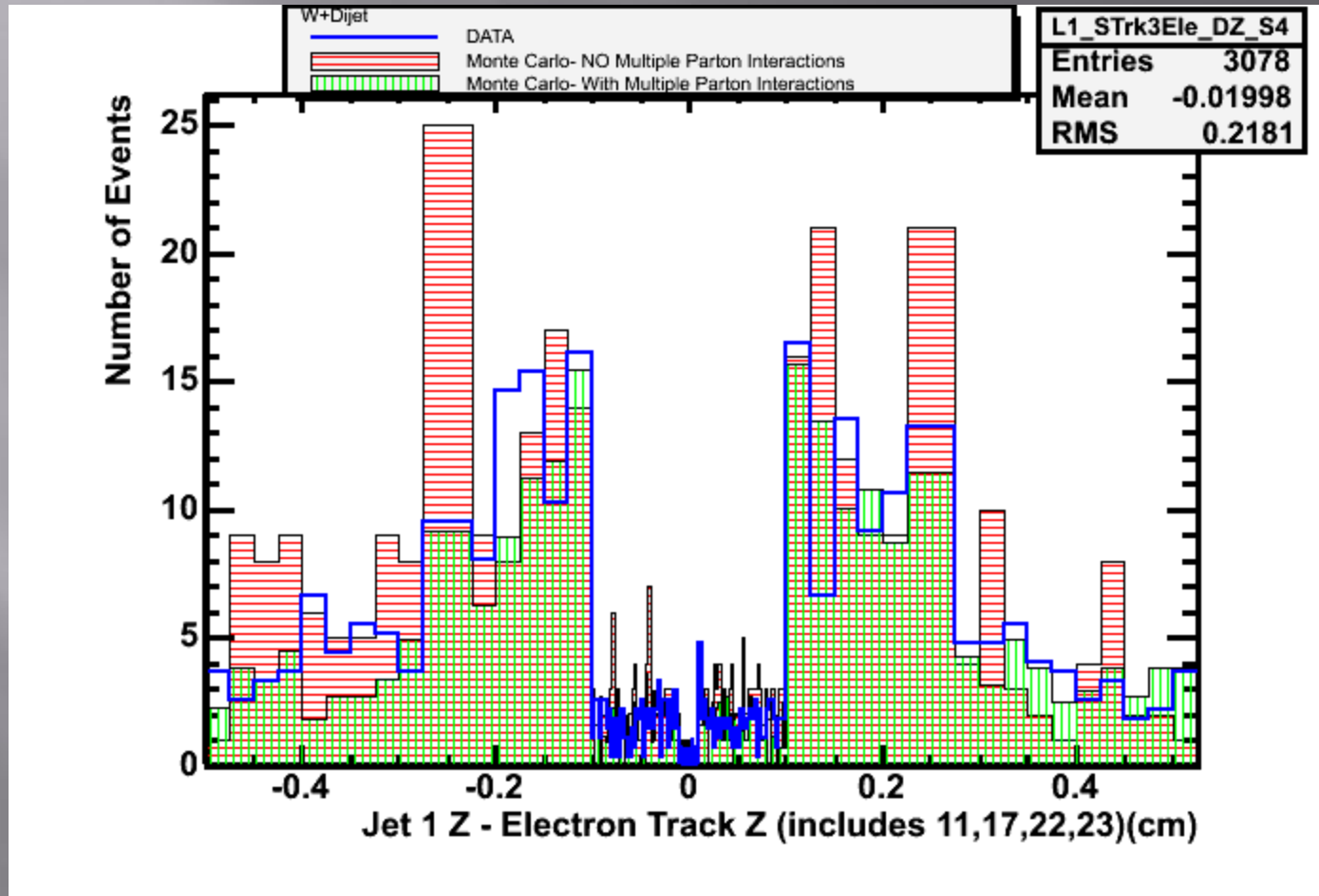
Jet Z Vertex

- ▣ Only Jets with Atleast One Track or More are Included
- ▣ Atleast one of these Tracks in the Each of the Two Jets making up the Dijet sholud be # 11
- ▣ The Other track Algorithms could be either 17,11,22,23
- ▣ Average Z is calculated using all the Included Track algorithms and Only using # 11
- ▣ The above average ,calculated both ways is considered as the Jet Z

Jet 1 Z (includes 11,17,22,23)-Electron Track Z (only 11)

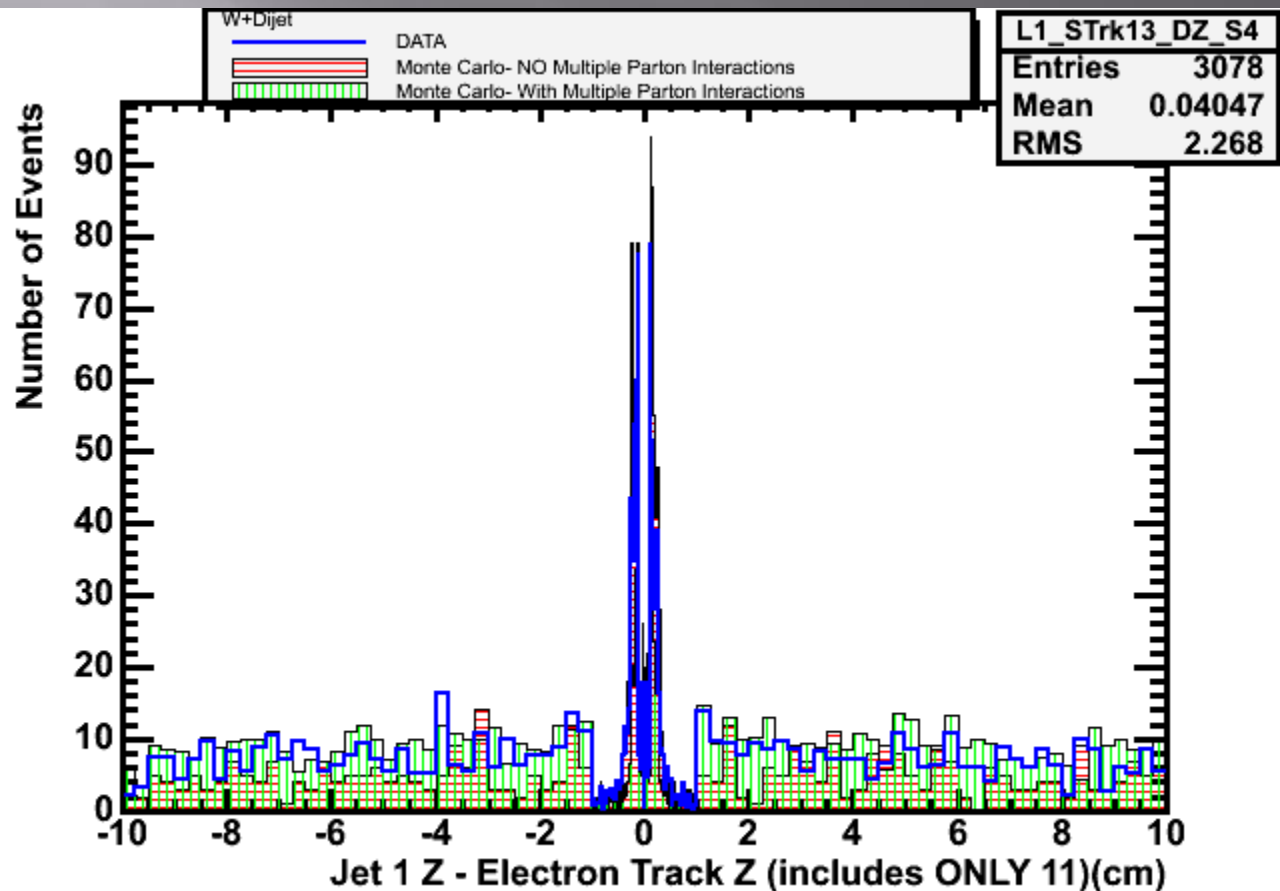


Jet 1 Z (includes 11,17,22,23)-Electron Track Z (only 11)

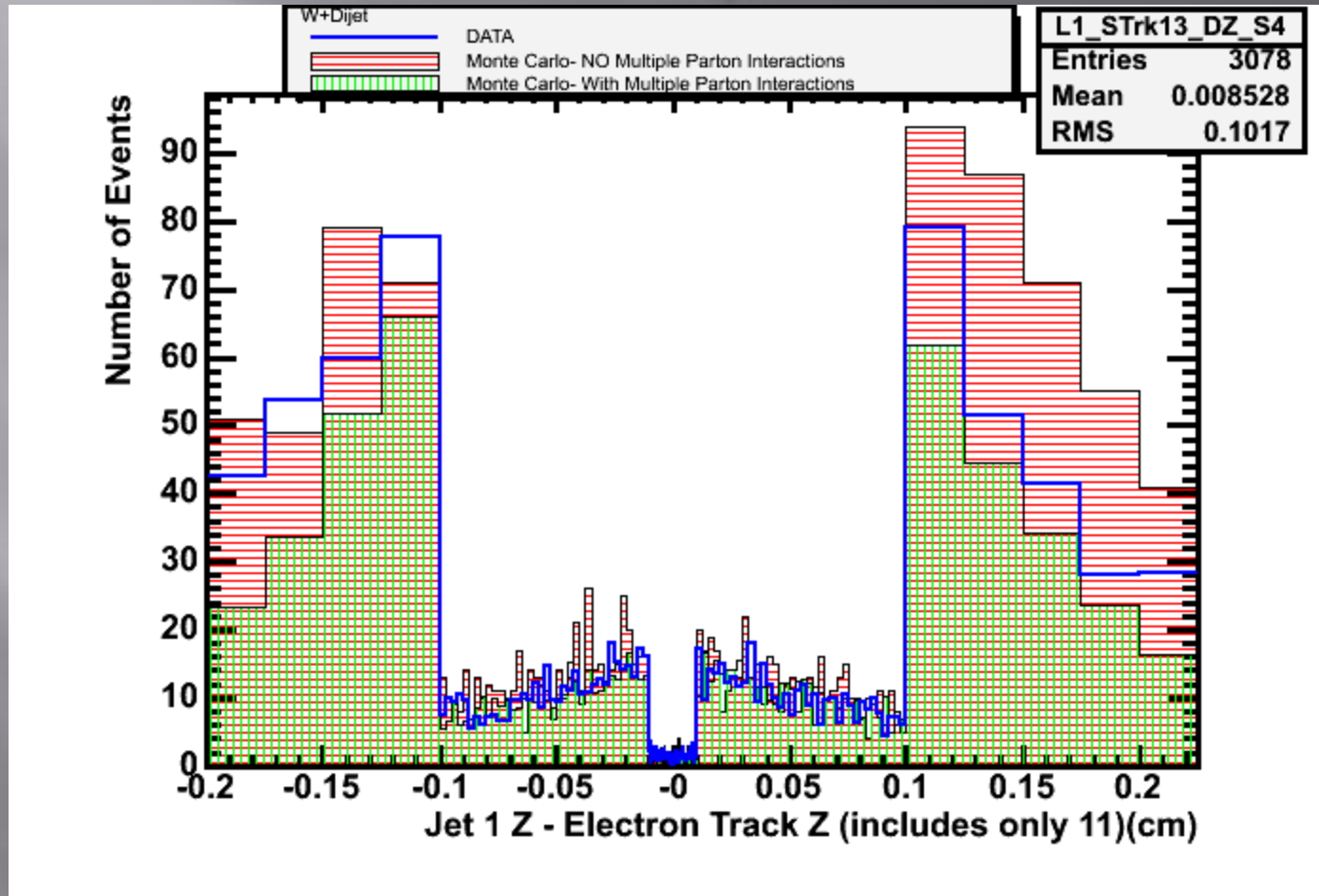


- Previous plot with a blown up
- Point to Make: the Range between -0.1 --- 0.1 cm corresponds to the Jet 1 having morethan one Track of Algorithm # 11

Jet 1 Z (only 11)-Electron Track Z (only 11)

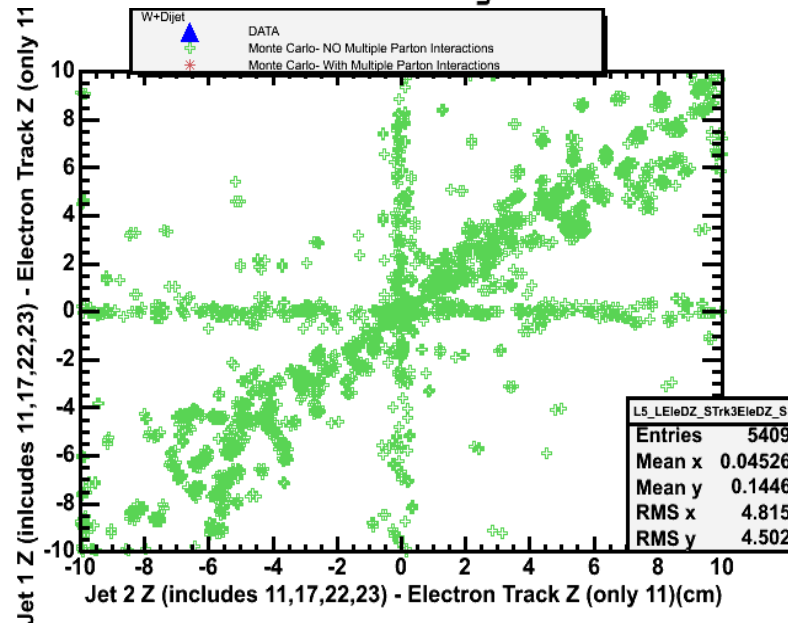
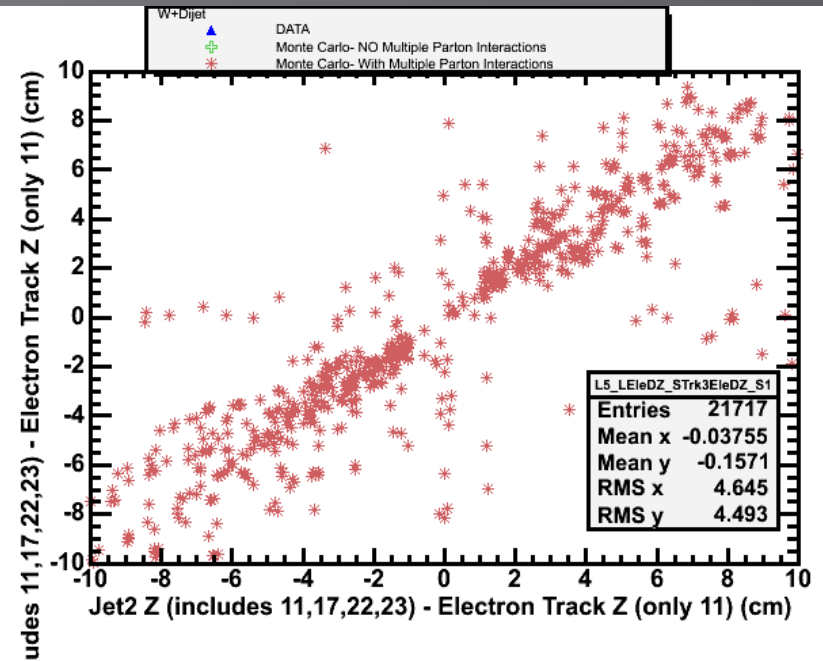
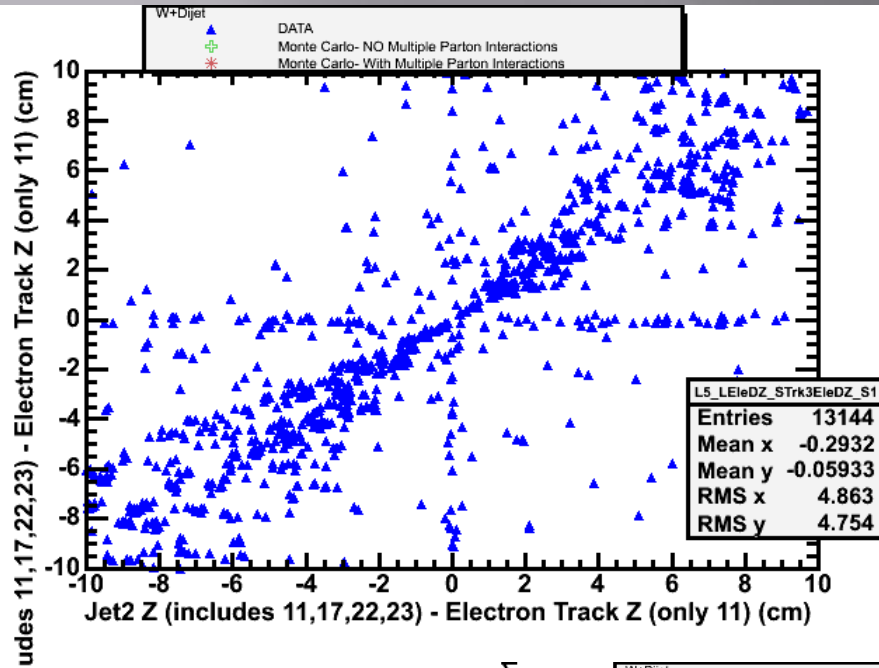


Jet 1 Z (only 11)-Electron Track Z (only 11)

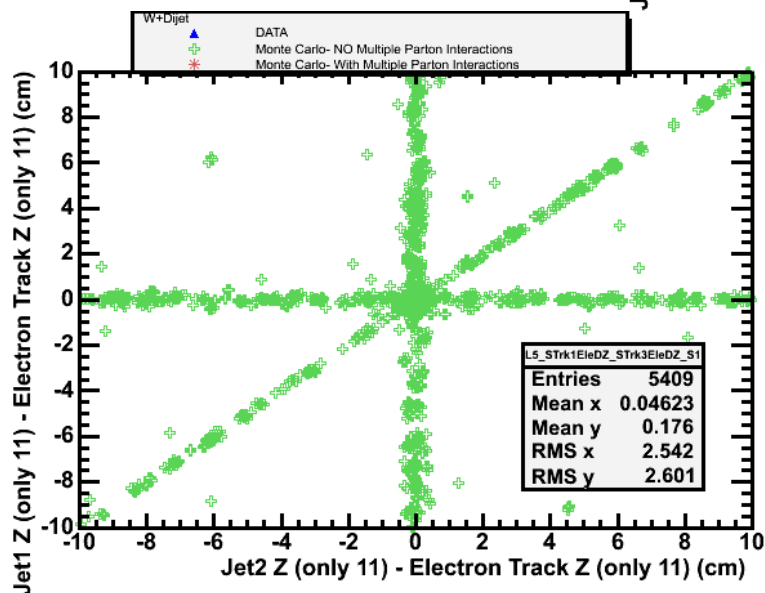
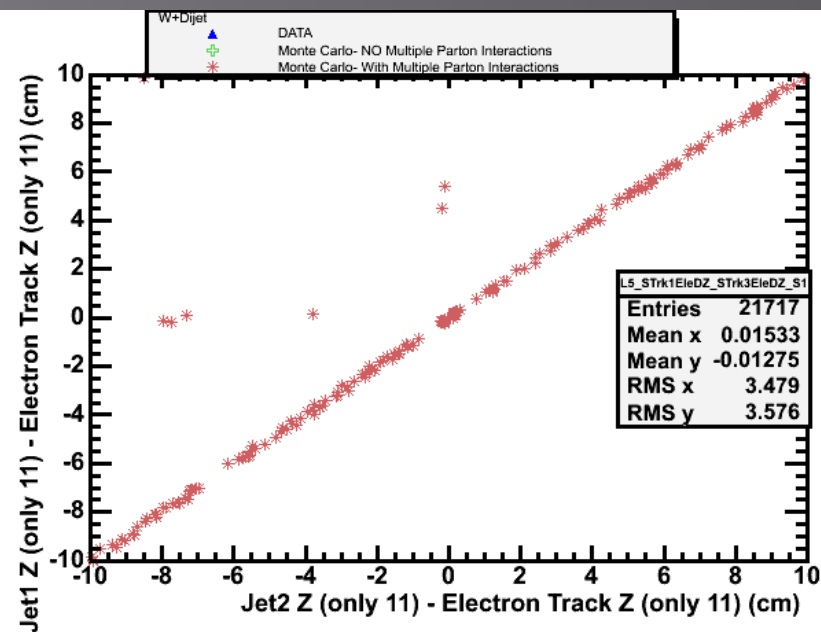
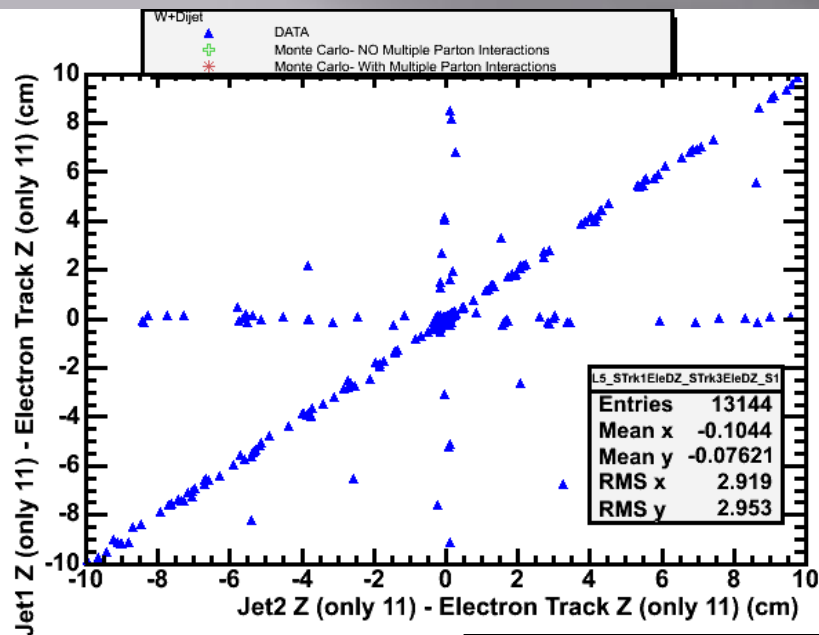


- Previous plot with a blown up
- Point to Make: With more data the Range -0.01 ---- 0.01 can have a much more increased statistics

Jet Z (all included) Vs Electron Track Z



Jet Z (only 11) Vs Electron Track Z



Conclusions

- ▣ Problems with My Monte Carlo Maybe ?