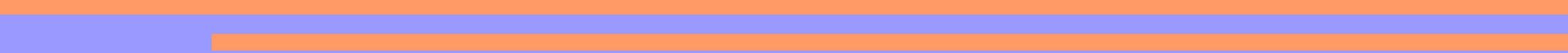


# ***NuMI Target Analysis Update***

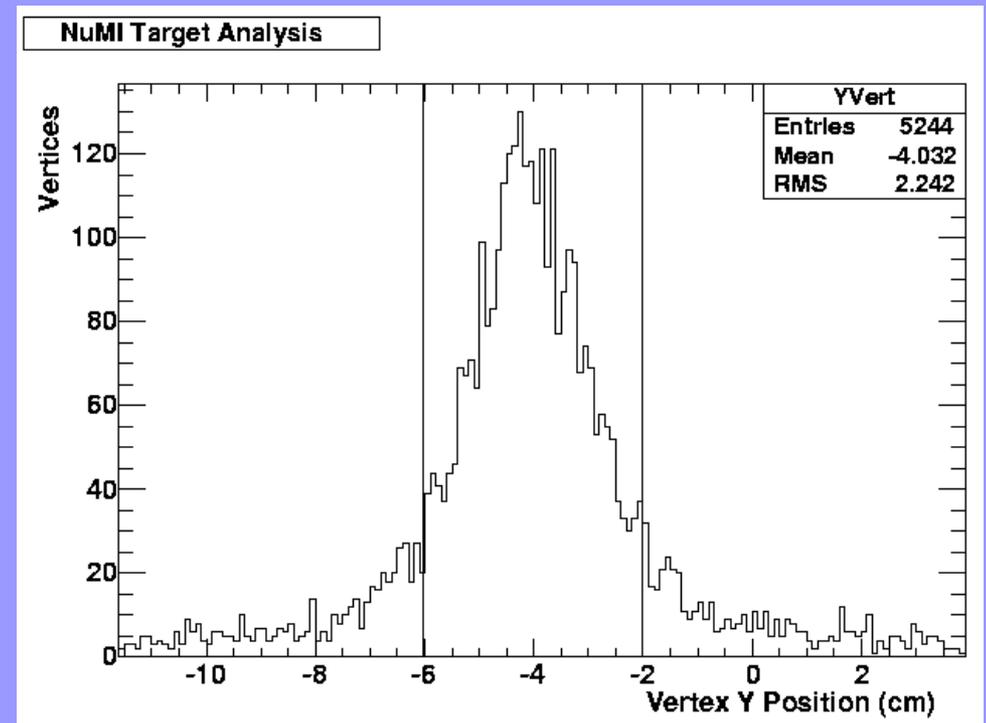
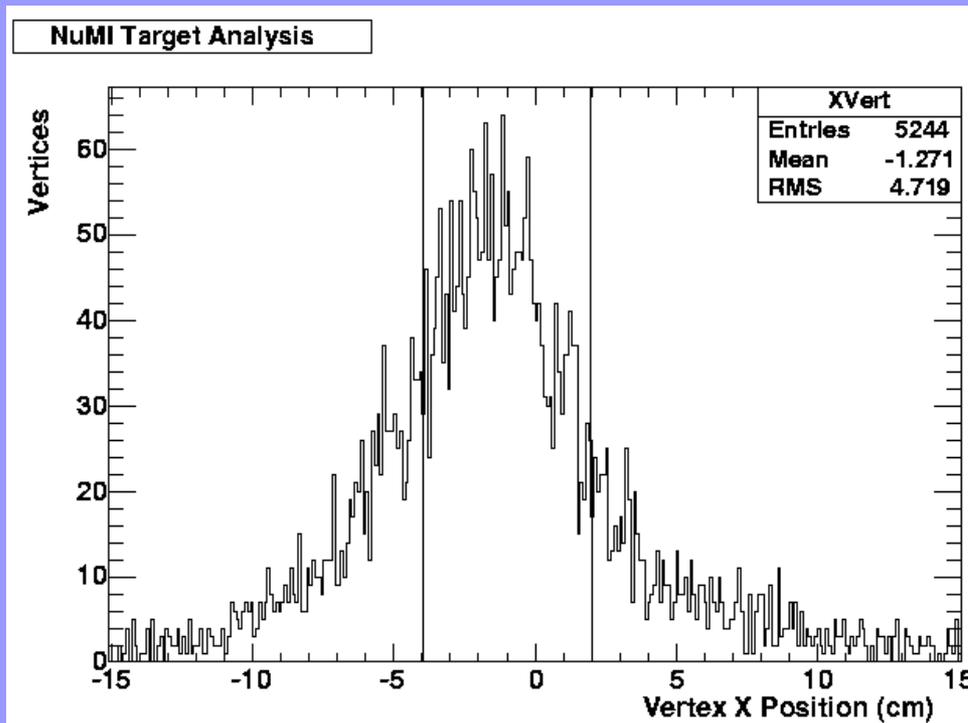
Nick Graf  
Indiana University  
July 7, 2005



# Vertex Cuts

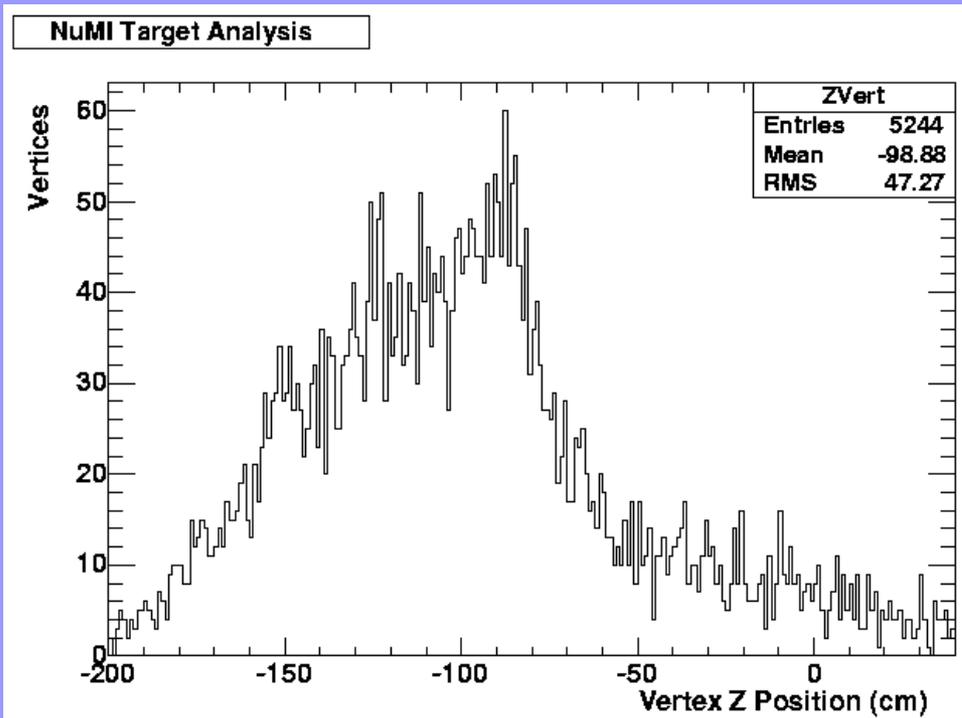
Made the following cuts

- Multiplicity greater than 5
- Vertex near target
- Either 2mm or 6mm NuMI trigger fired



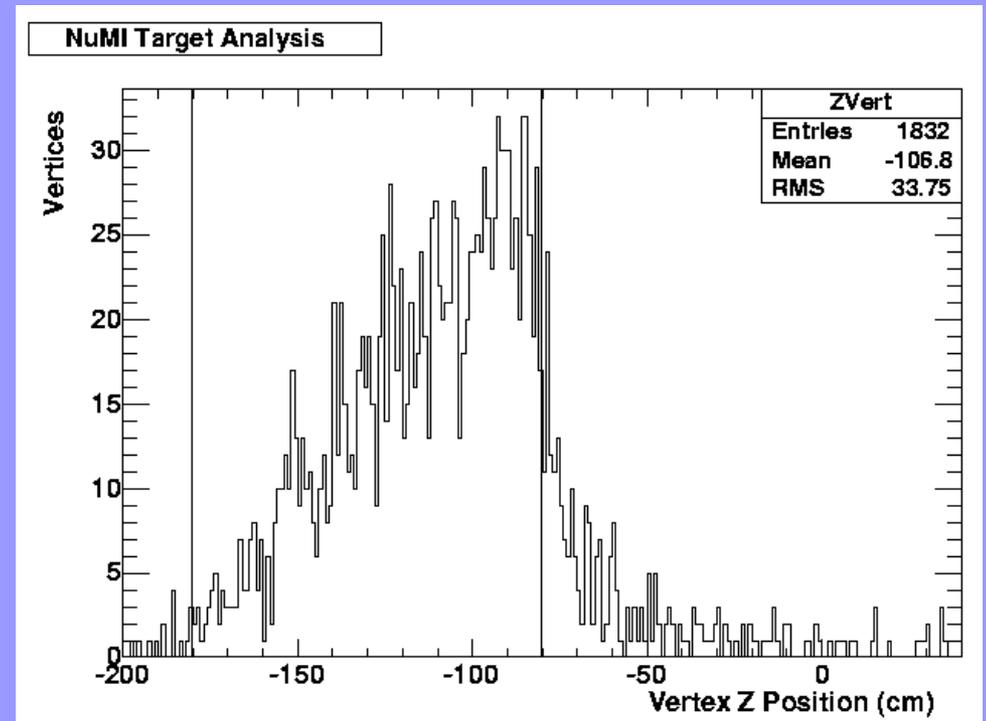
Cuts made:  $-4 < X < 2$  and  $-6 < Y < -2$

# Z Vertex

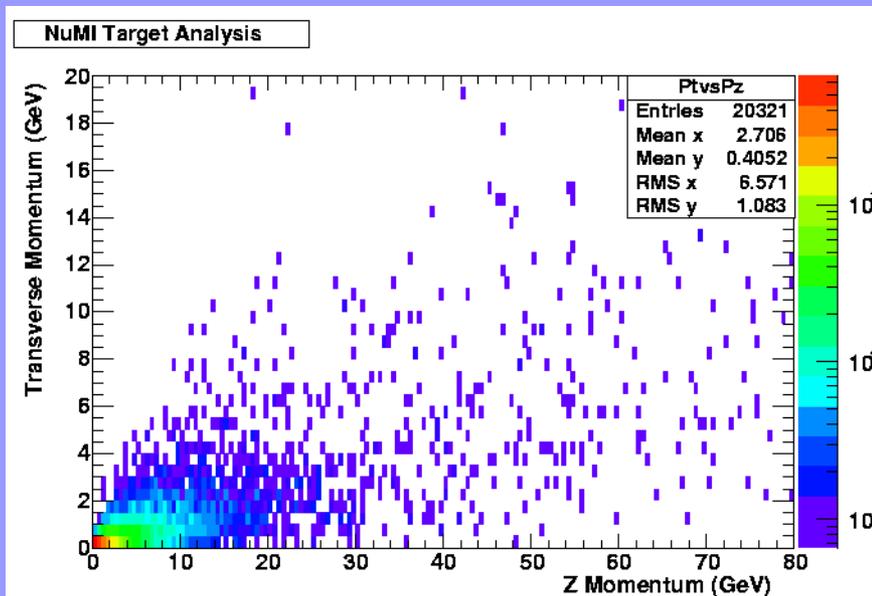
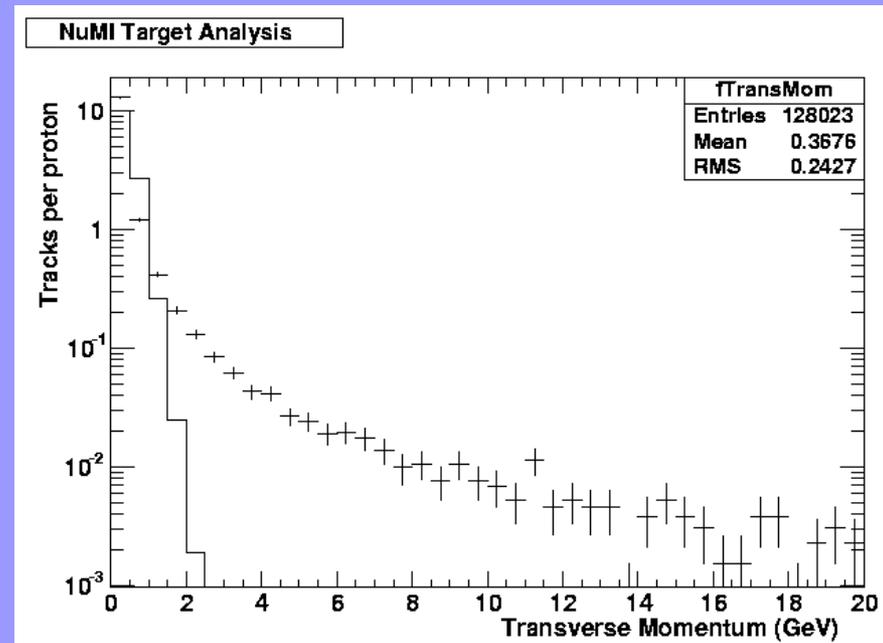
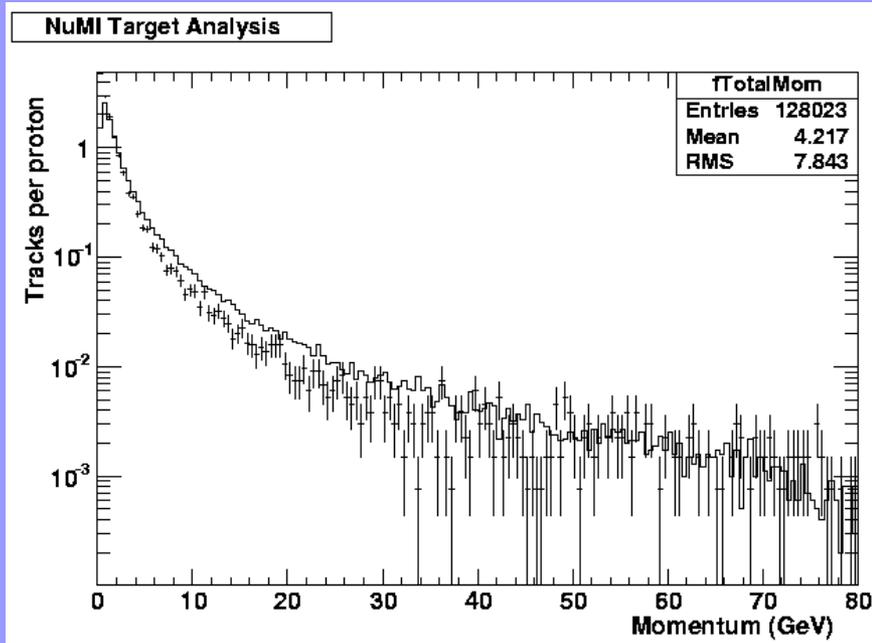


Left: Vertex Z distribution w/o cuts  
Bottom: Vertex Z distribution with cuts

Cut on Z:  
 $-180 < Z < -80$



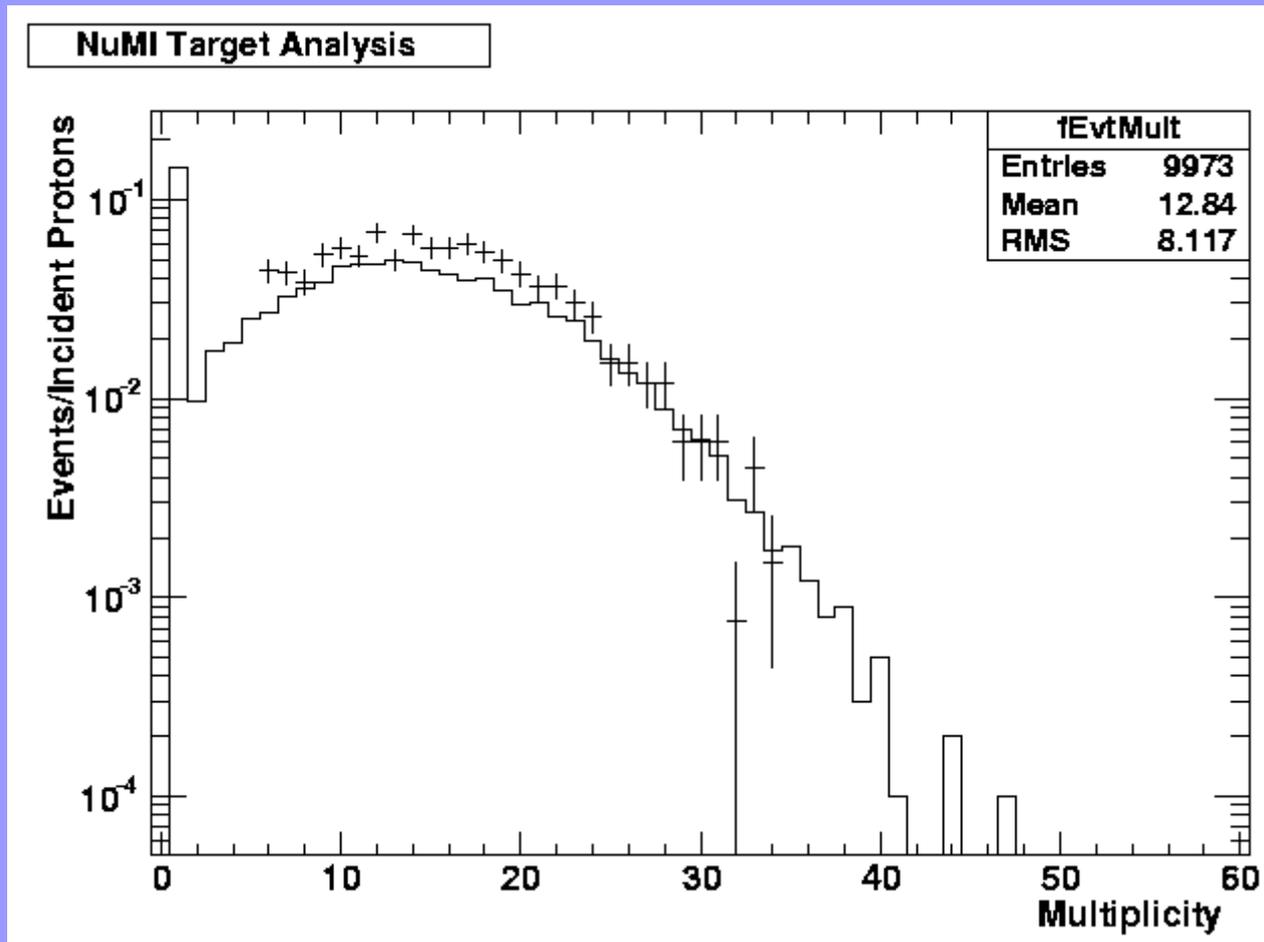
# Momentum Distributions



Data has error bars  
No error bars on Fluka

Electrons filtered out from  
Fluka

# Multiplicity



Better agreement between multiplicity distributions after cuts