



# Update on Delphes

Kenny Jia





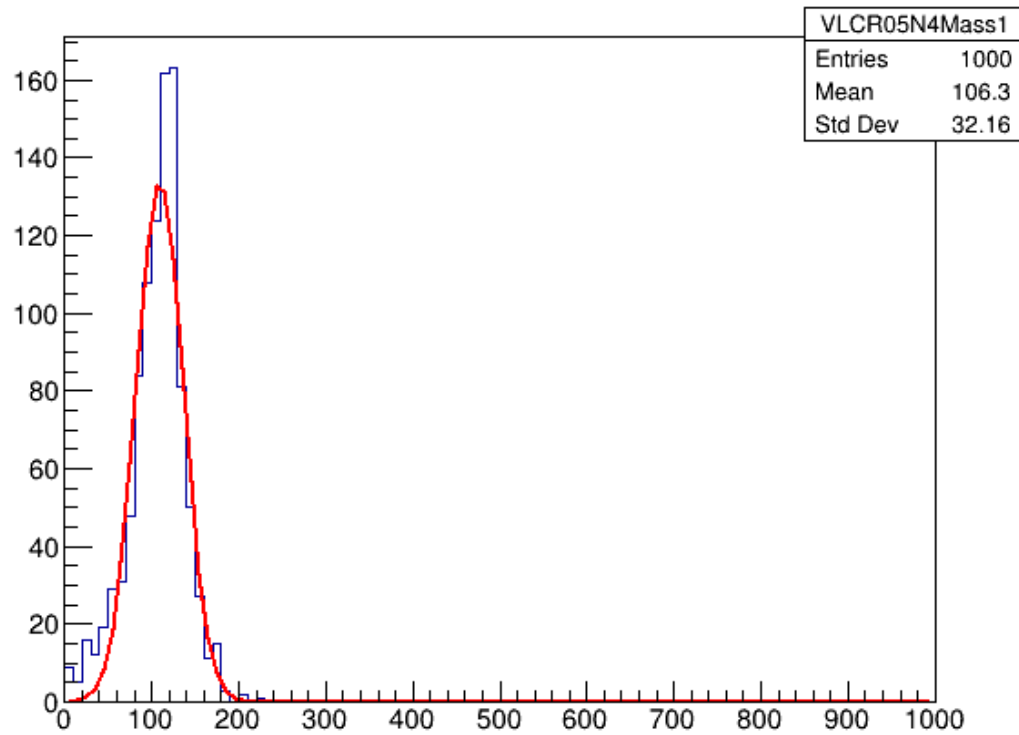
# Truth matching on sub-leading jets pair

- Perform truth matching on the sub-leading jets pair:
  - 55.4% pass the check if  $\Delta R \leq 0.25$
  - 61.4% pass the check if  $\Delta R \leq 0.5$  and result is worse

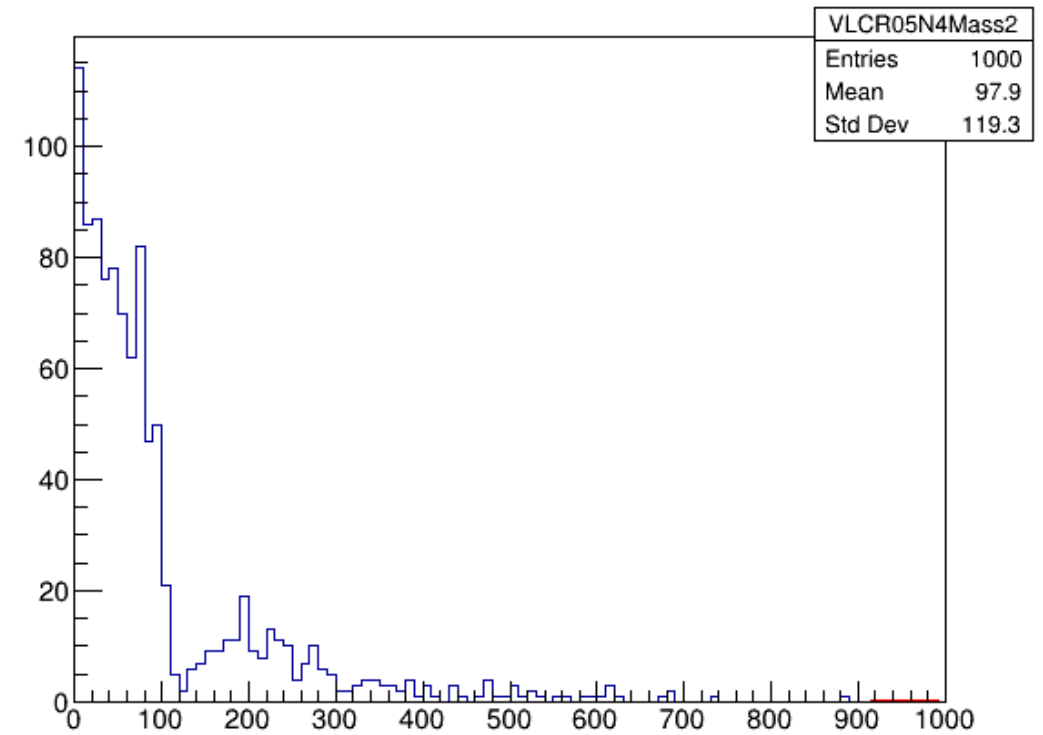


# Previous pairing up macro

VLCR05N4Mass1



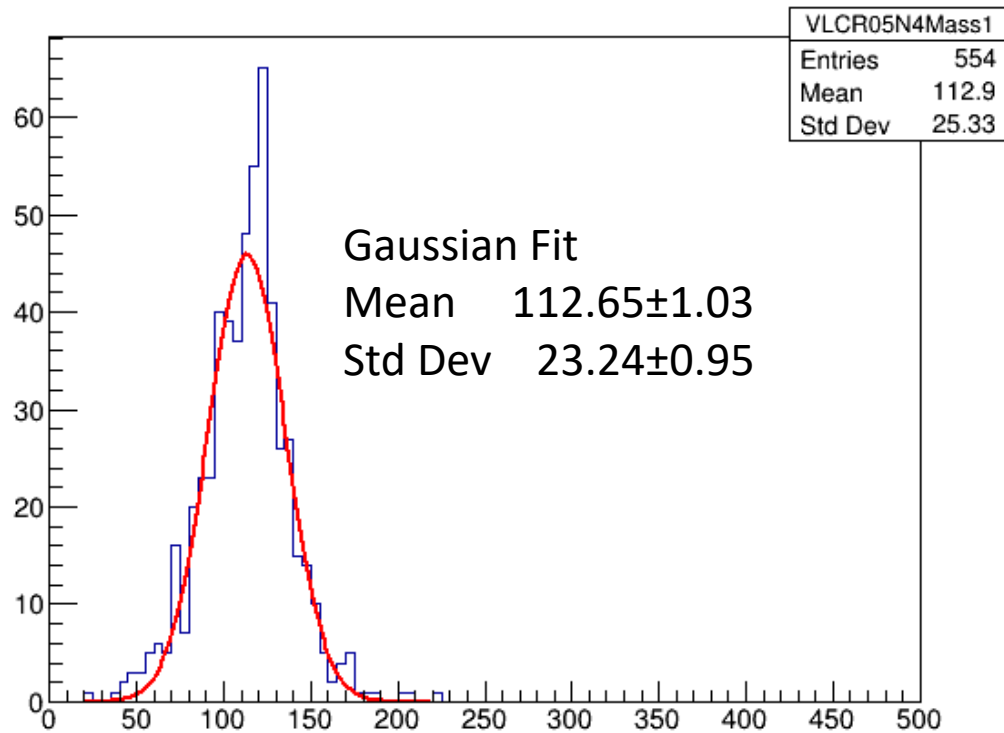
VLCR05N4Mass2



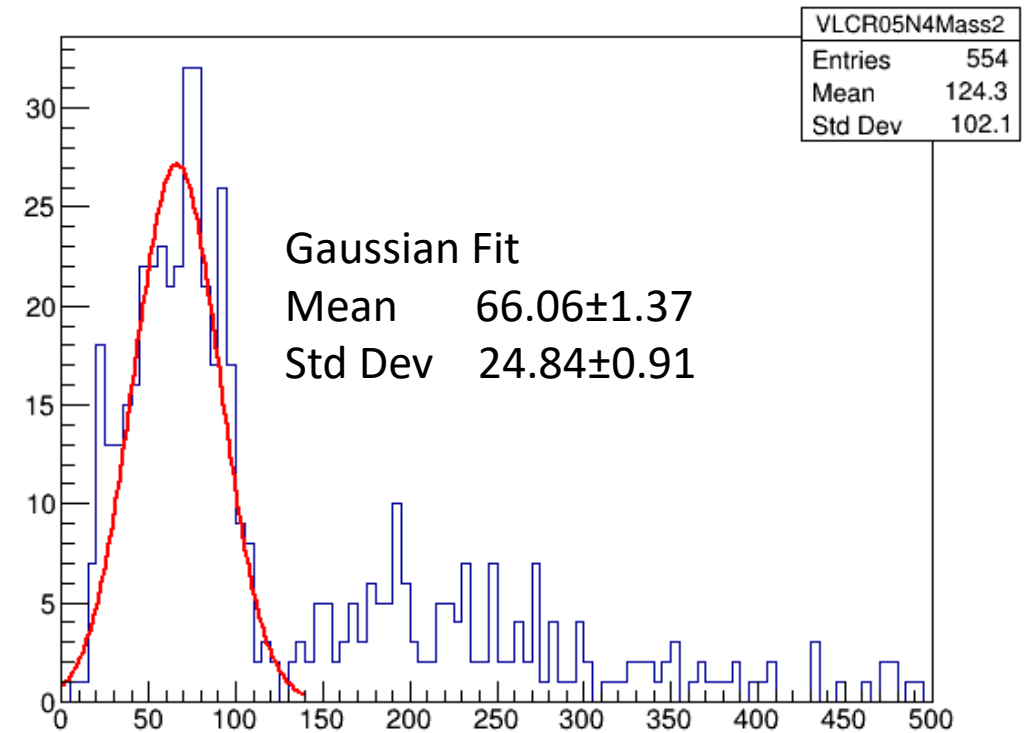


# Pairing up algo under truth matching

VLCR05N4Mass1



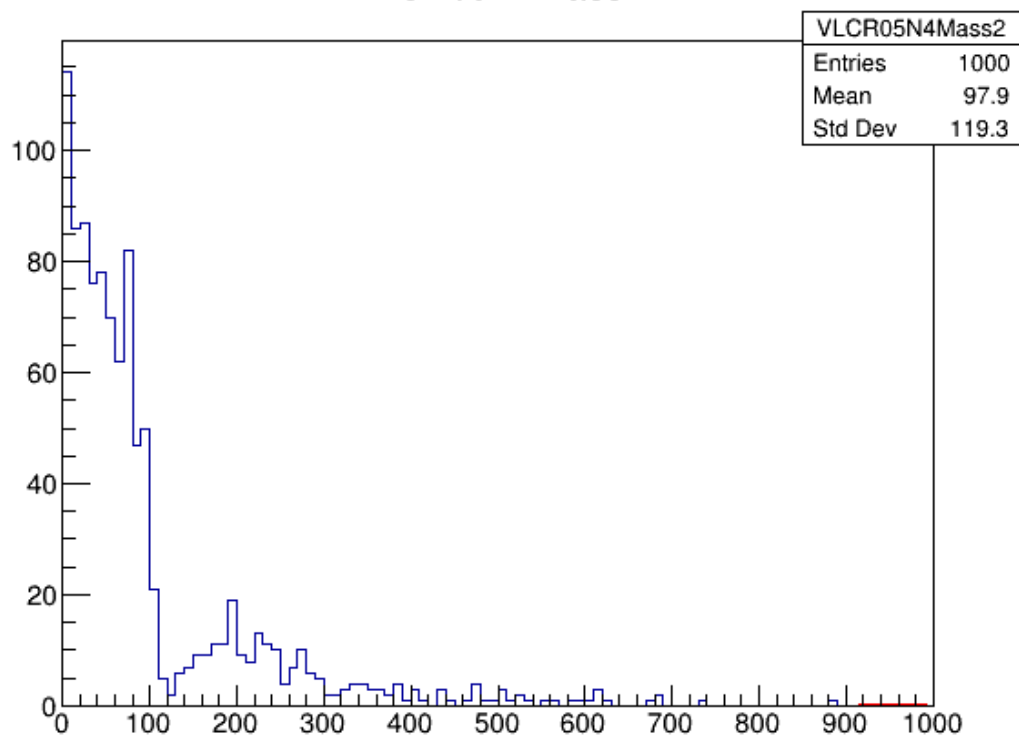
VLCR05N4Mass2





# Comparison on the sub-leading jets pair

VLCR05N4Mass2



VLCR05N4Mass2

