

# pi0pi0 Study

# Data sets

- Run65 min bias & norm trigger
- KL3pi0 MC (Run62)
  - $2e4 * 2e6 * (1/0.1952)$
- KLpi0pi0 MC (Run62)
  - $1.6e4 * 2e6 * (1/0.00089)$

# Online Threshold Check MB, NCC, CV, CC03

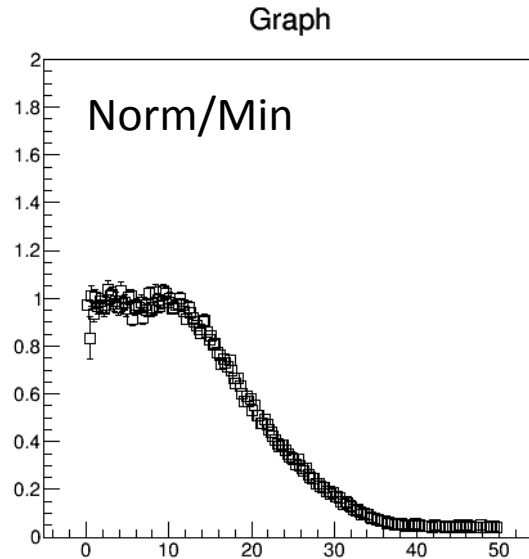
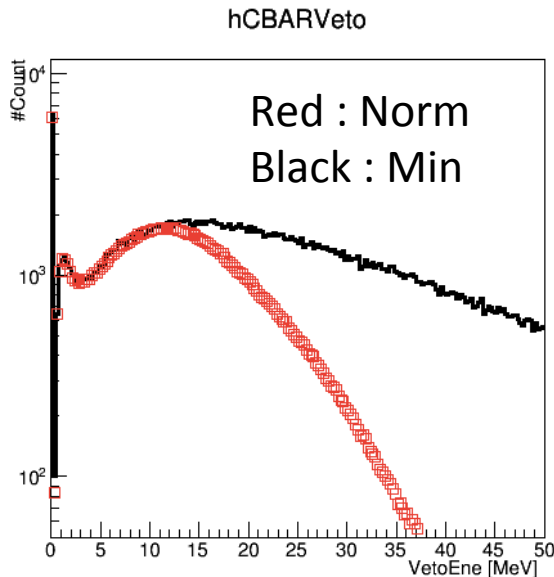
- Method

- Apply offline vetoes using three other detectors.

- ex) NCC&CV&CC03 for checking MB

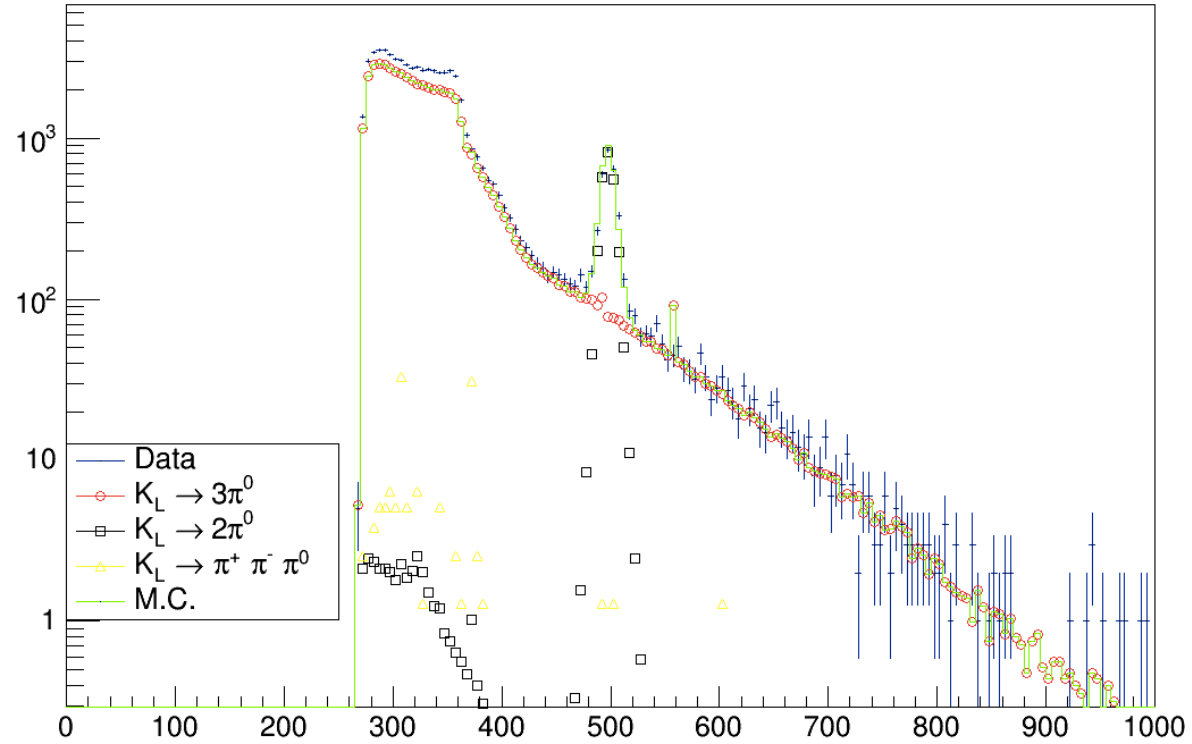
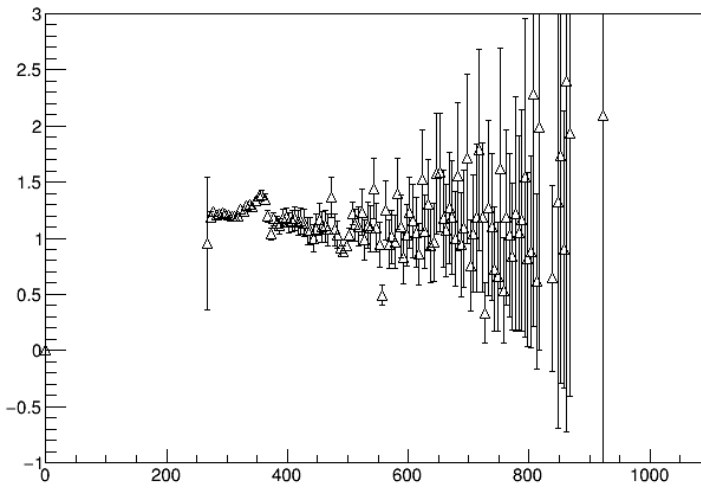
- Compare VetoEne btw min and norm

CC03 : 5MeV  
NCC : 5MeV  
CBAR : 10MeV  
CV : 0.3MeV



CV, CC03 and NCC  
At backup

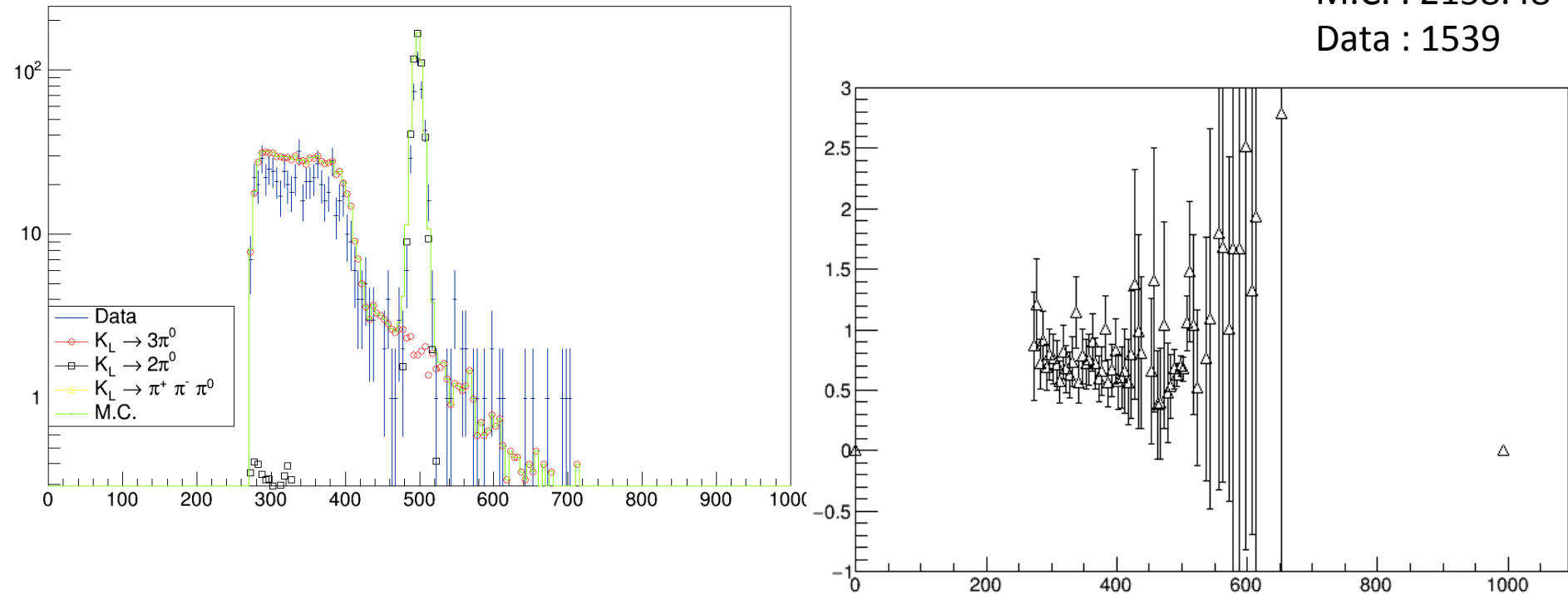
# OnlineVeto & KinematicalCut



# With Full Veto

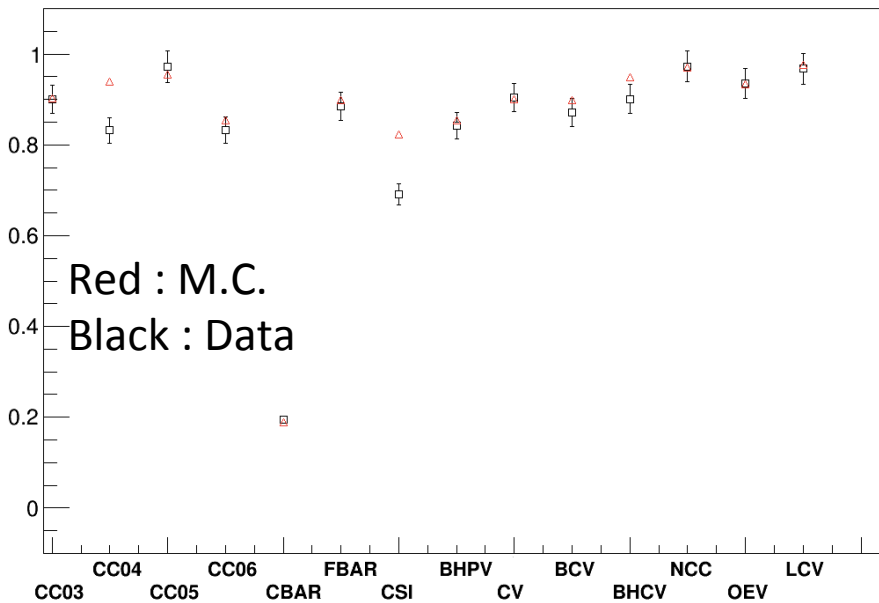
- CutCondition (KinematicalCut)
- MyVetoCondition (Veto)

M.C. : 2158.48  
Data : 1539

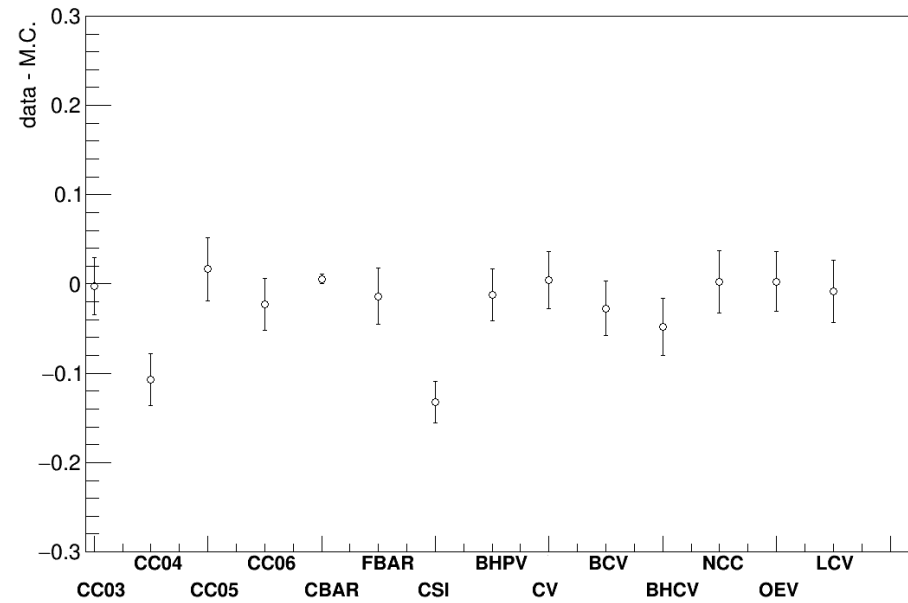


# Detector Response

All veto except i / All veto

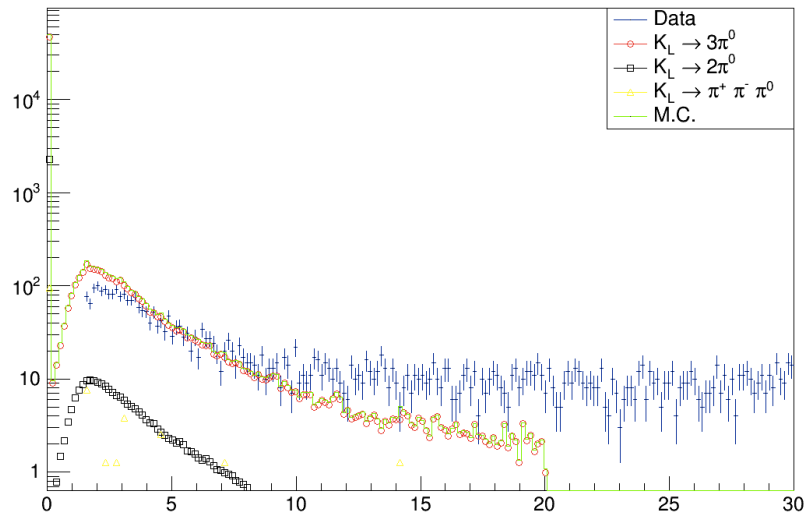


Data - MC

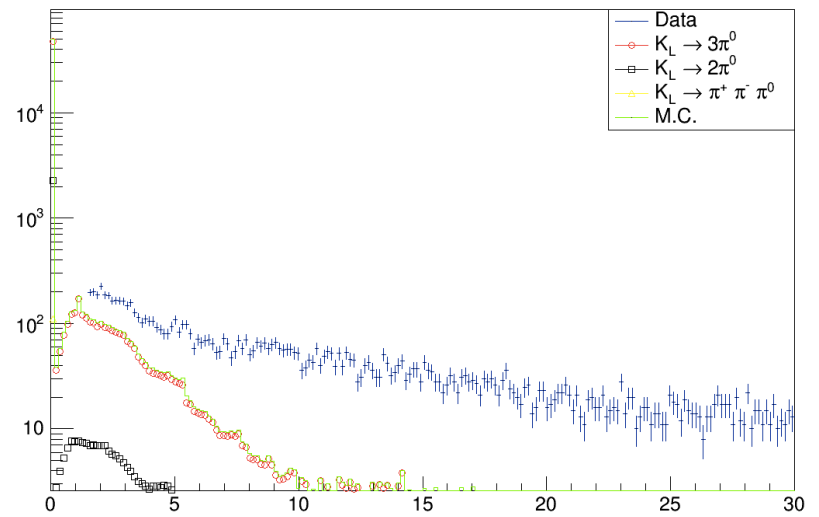


# CC04, CSI

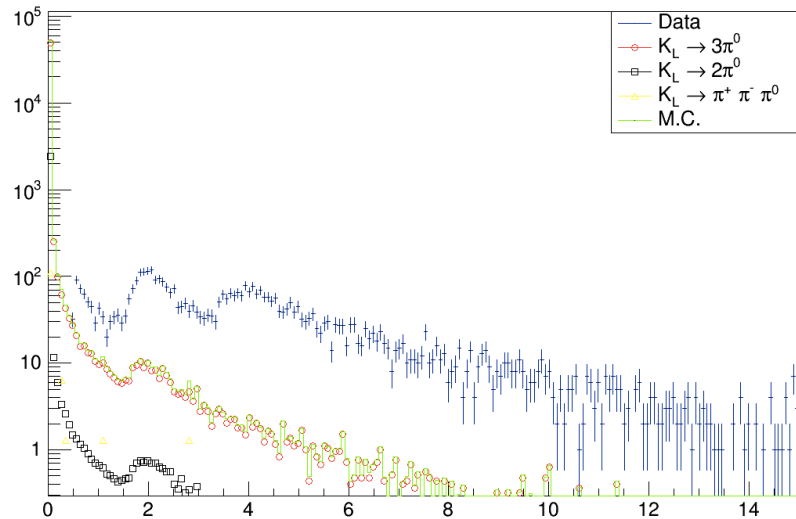
CC04VetoEneOnlineLevel\_E391



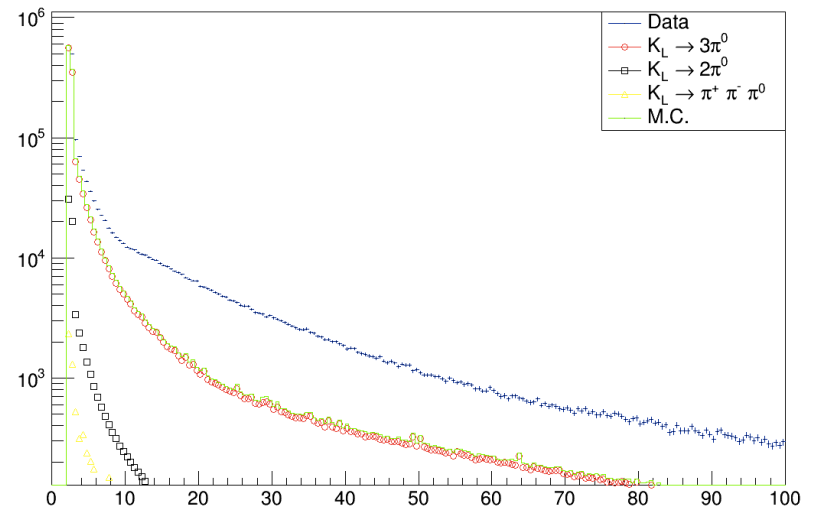
CC04VetoEneOnlineLevel\_KTeV



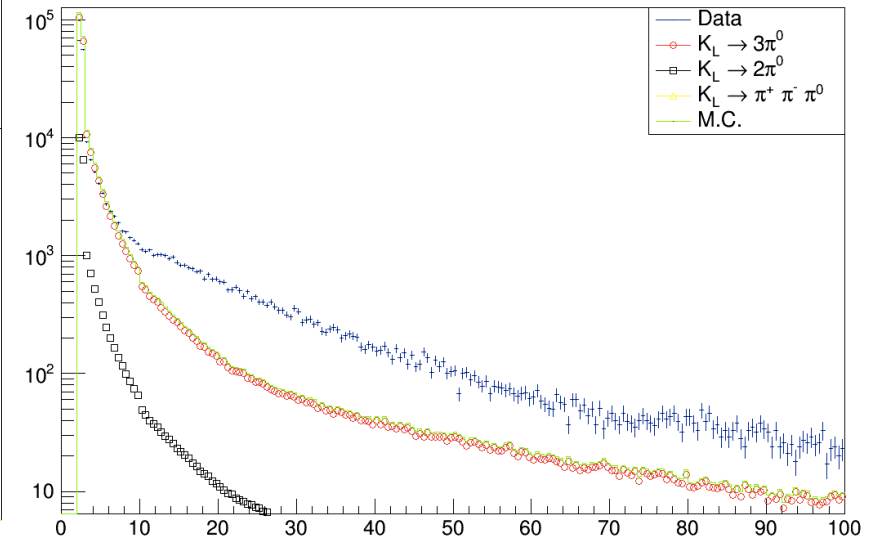
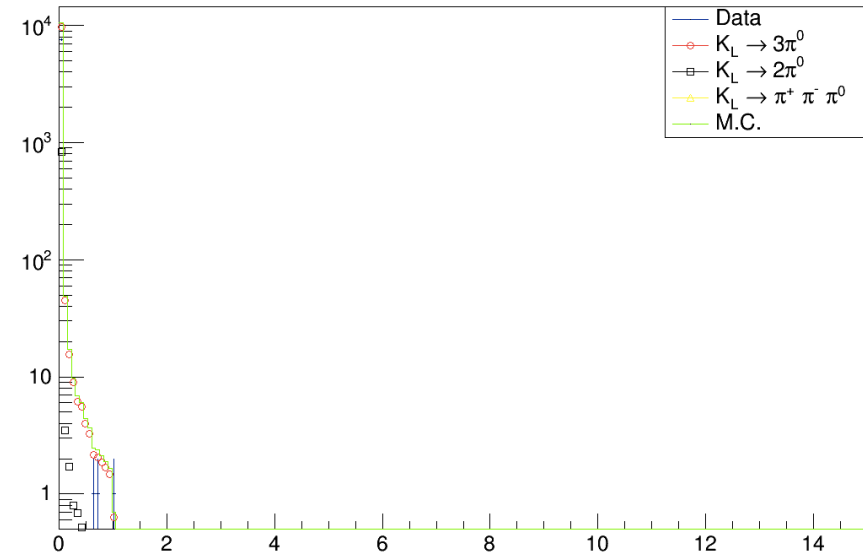
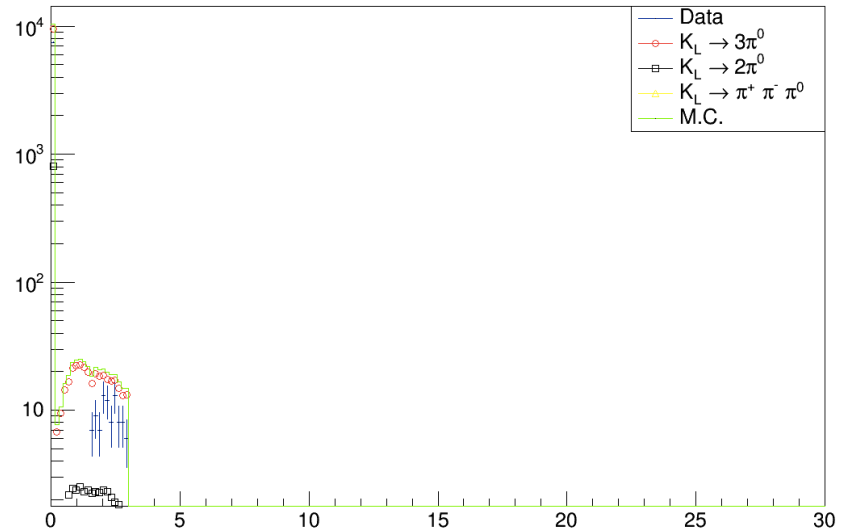
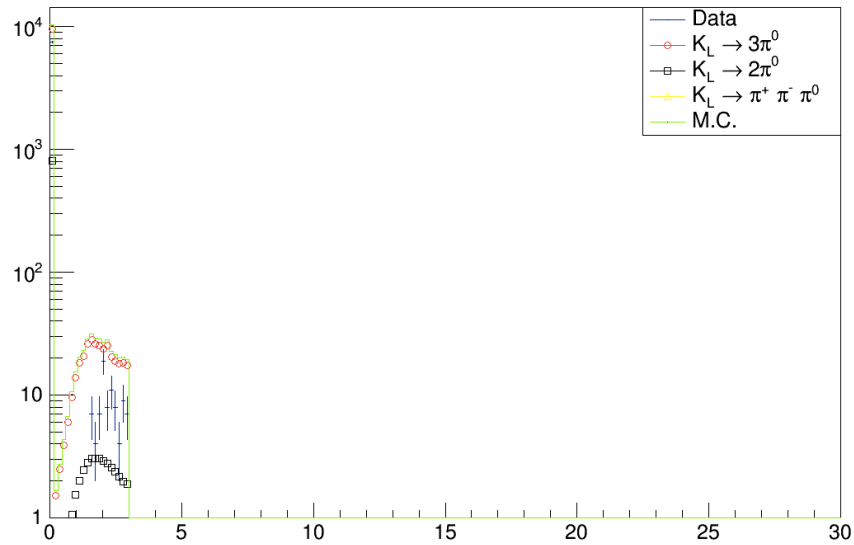
CC04VetoEneOnlineLevel\_Scint



CSIVetoEneOnlineLevel

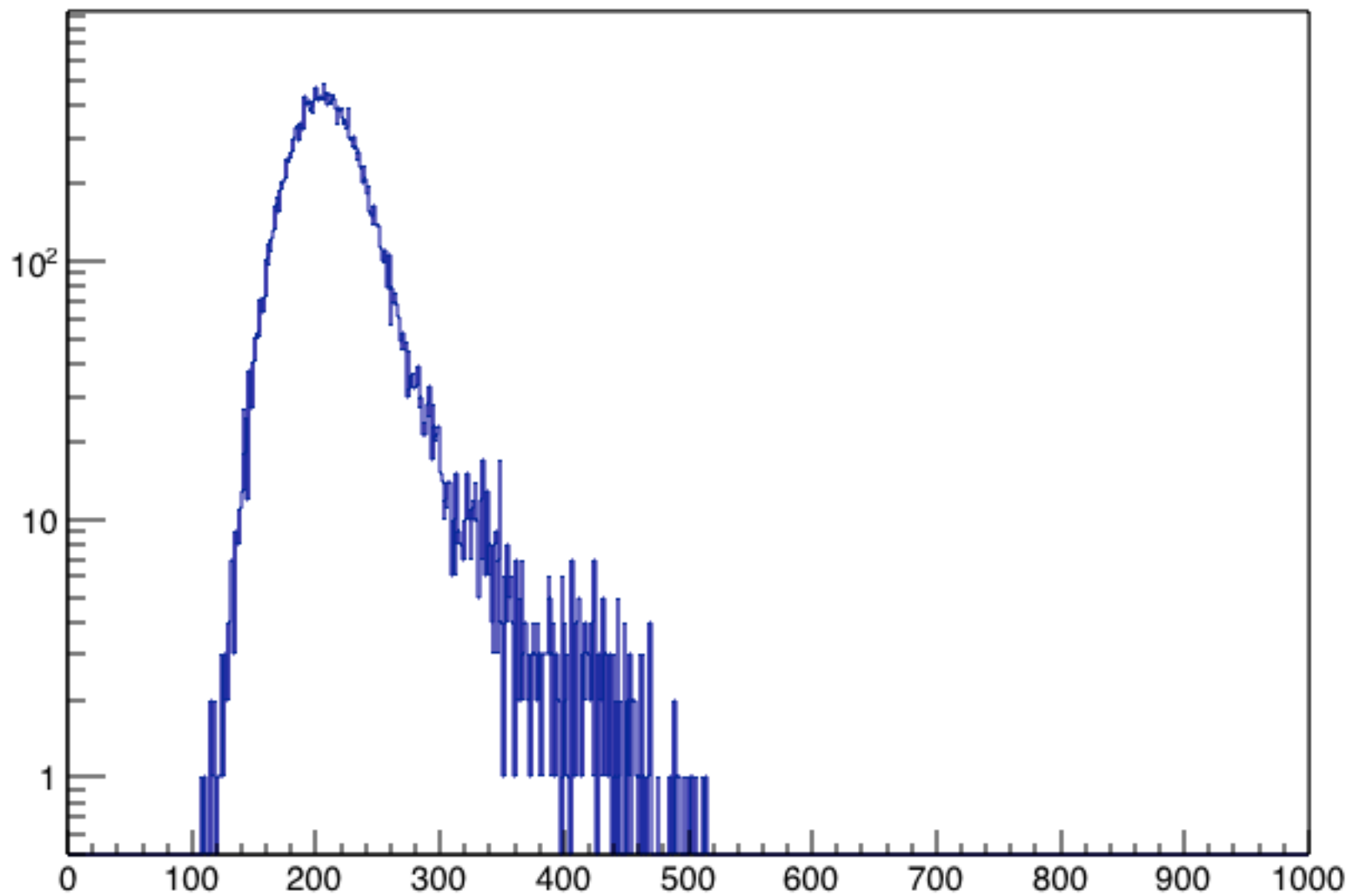


# After veto



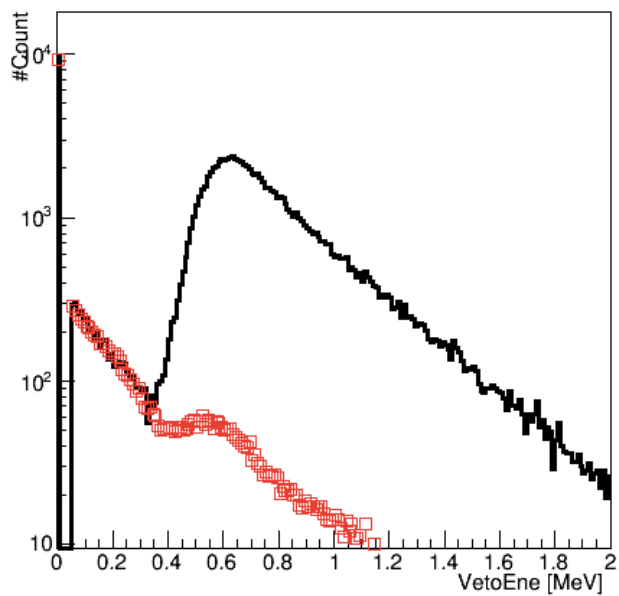


# Dark Current of MPPC

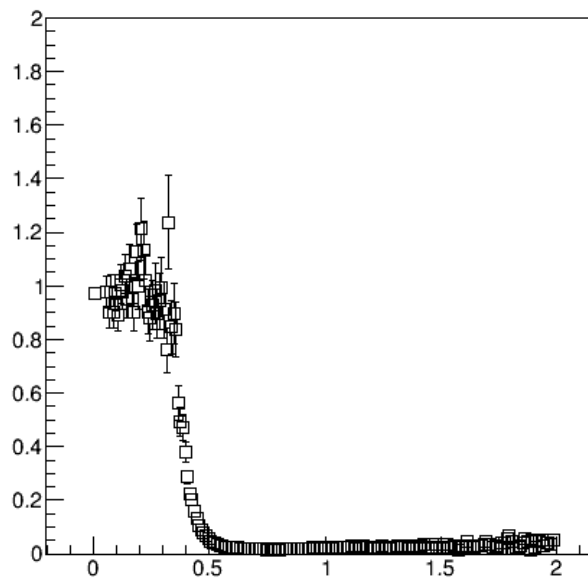


backup

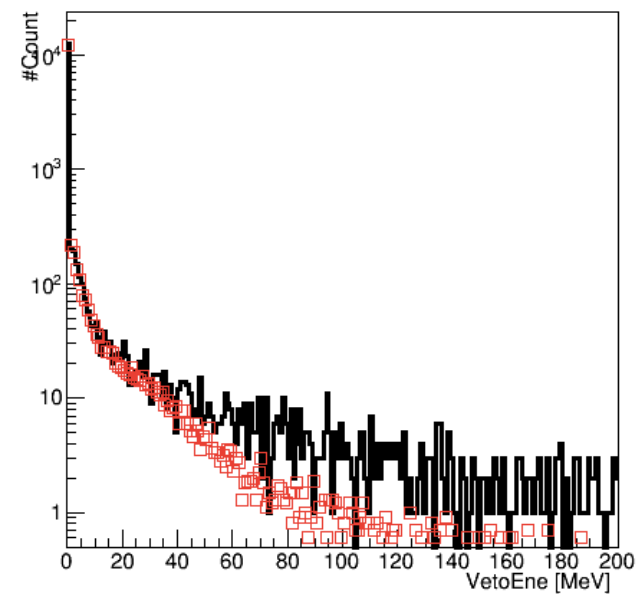
hCVVeto



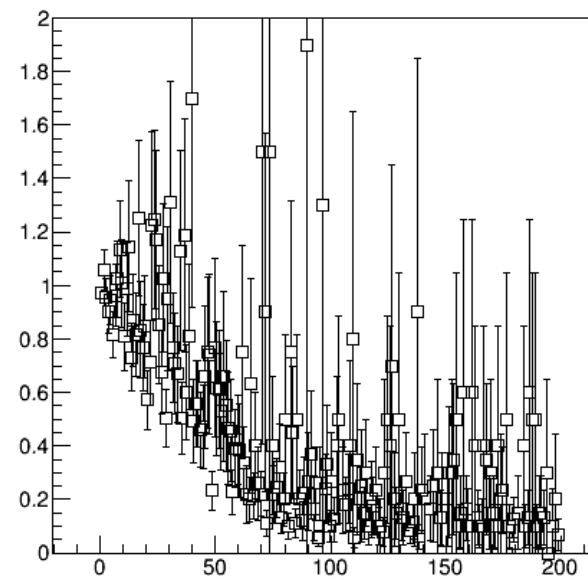
Graph



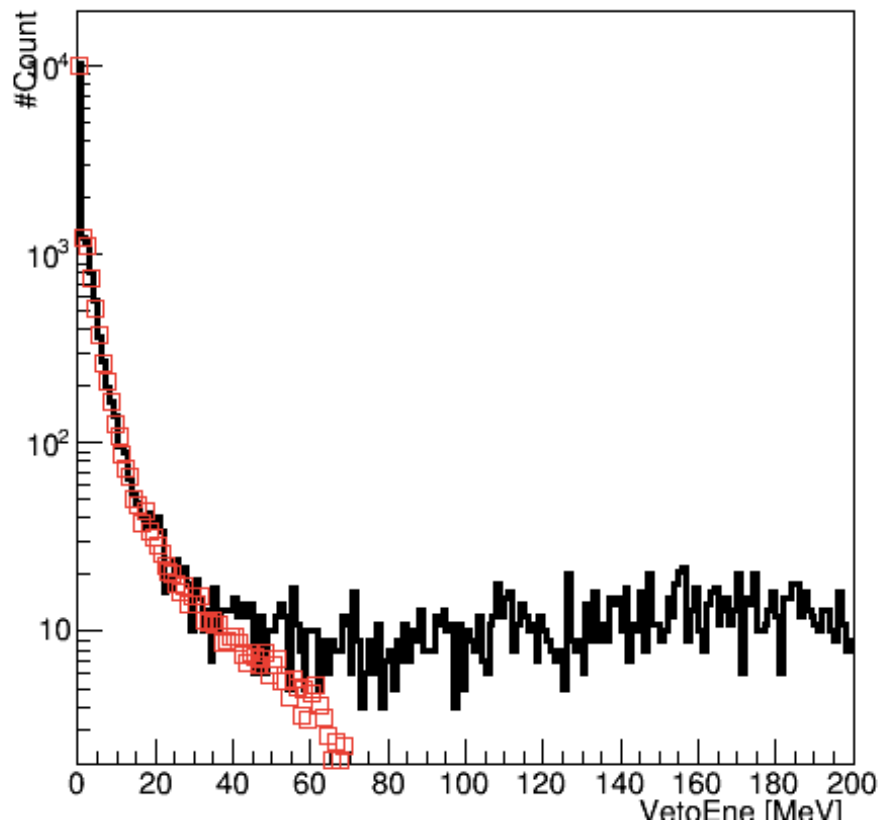
hNCCVeto



Graph



hCC03Veto



Graph

