

Report\_161025

# Minimum vertex chi2?

## g5 vs g6?

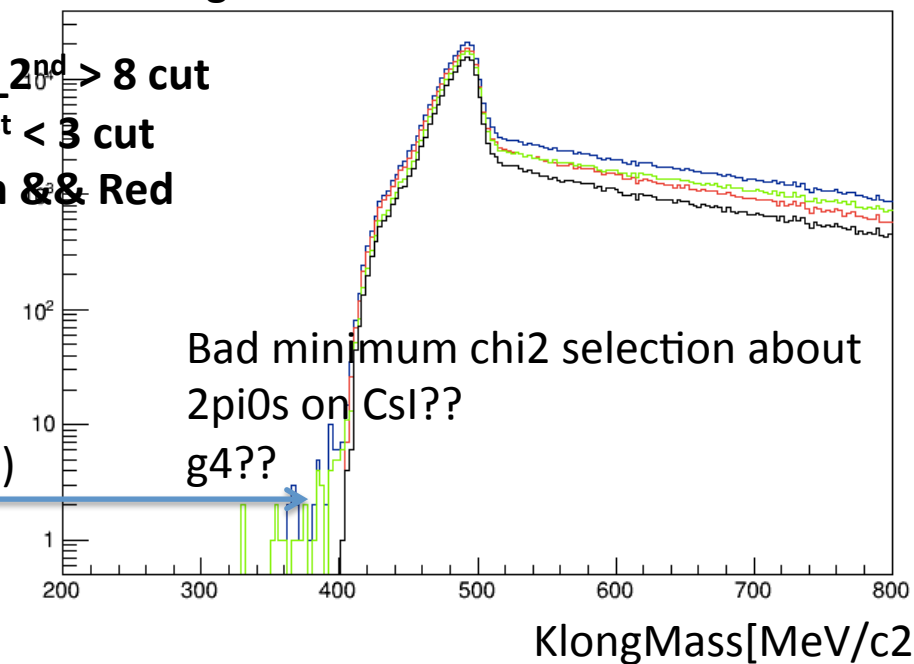
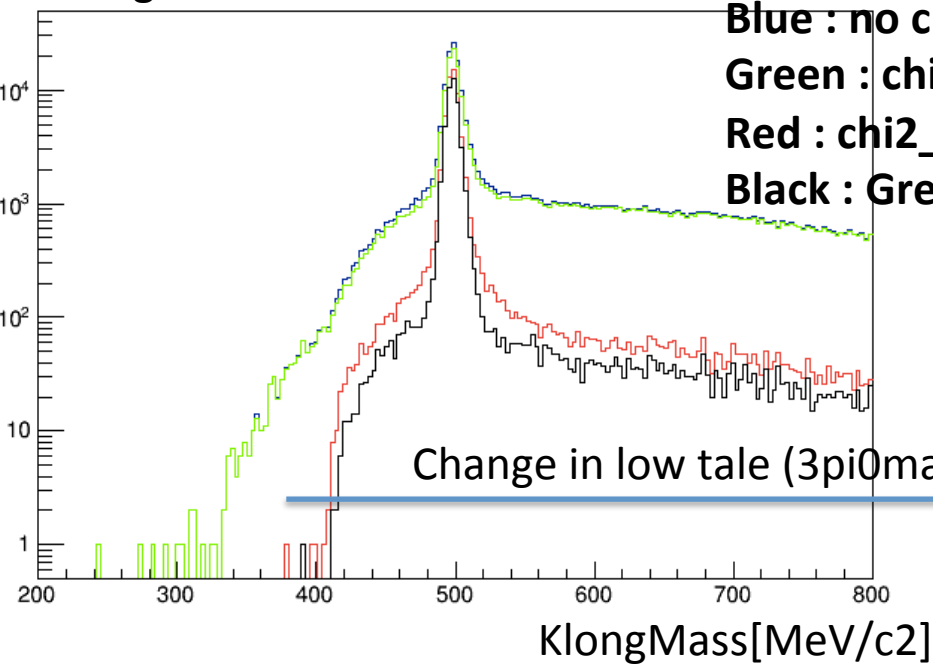
- vertex chi2

$$\chi_{vertex}^2 = \sum_{i=1}^2 \frac{(VTZ_{ithPi0} - VTZ_{KL})^2}{\sigma_{vertex}^2}$$

#pi0s on CsI

g6

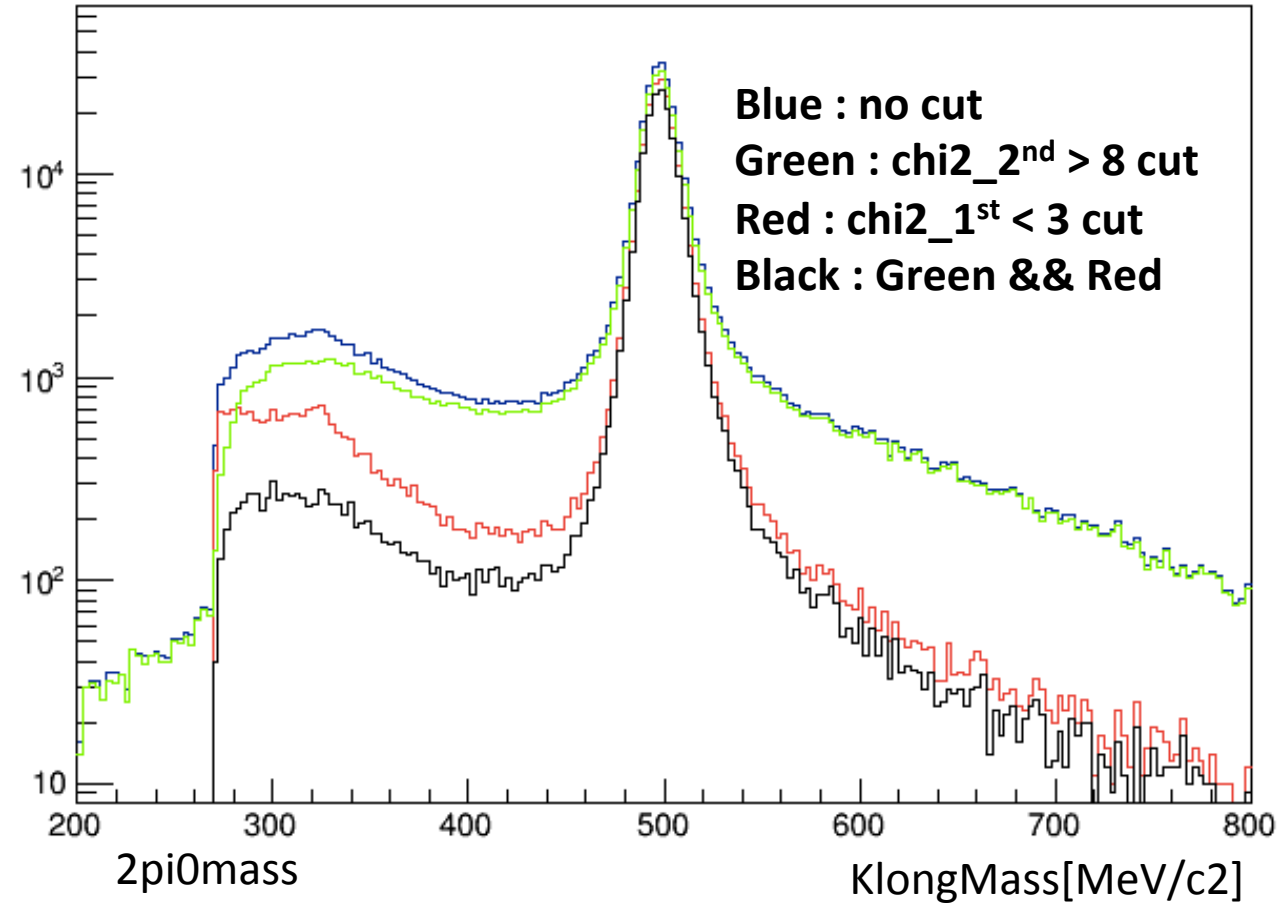
g5



# Chi2 cut power on g4

- Low statistics -> generating kl2pi0

g4



**$g6 \sim g4$**

**$g6, g4 \not\sim g5$**

# Vertex difference

