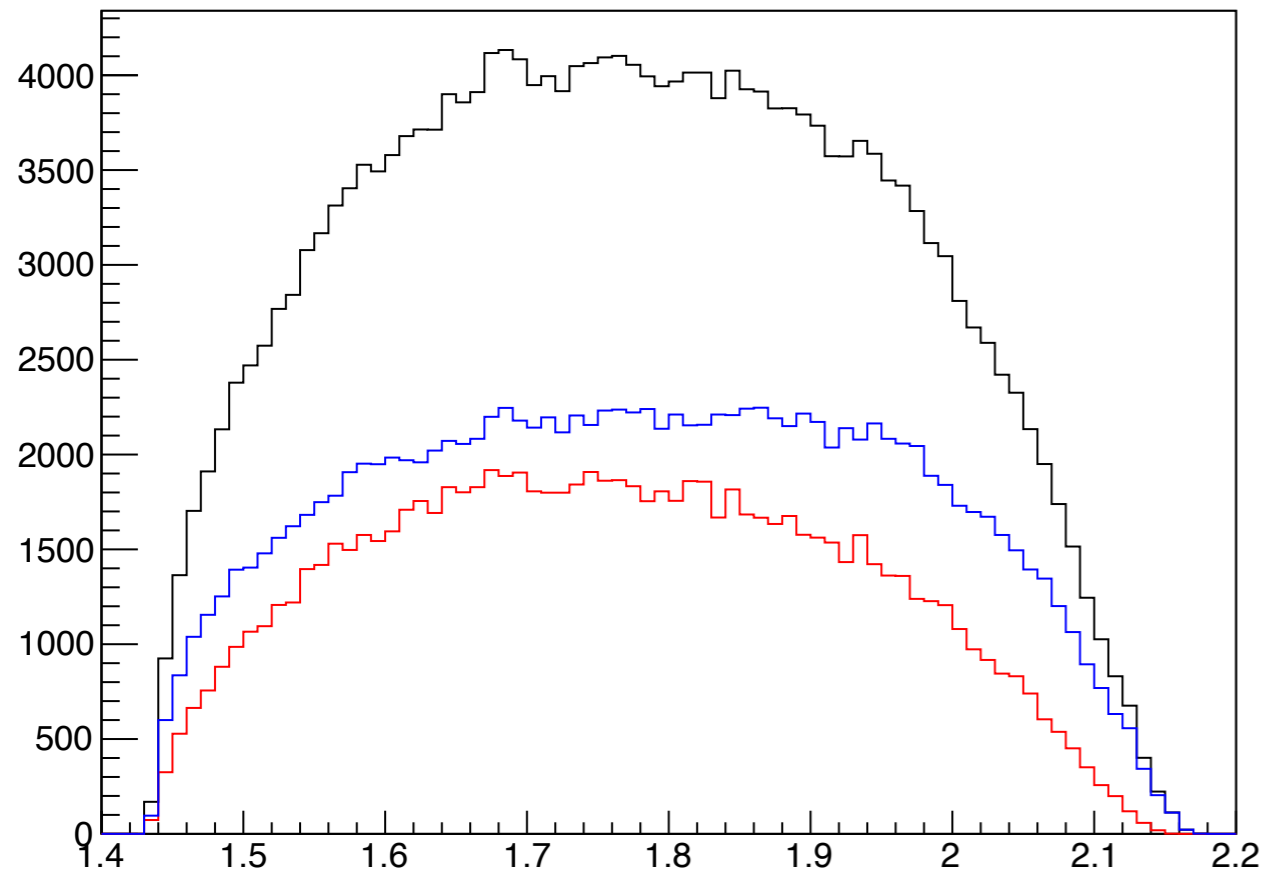


# HANUL Meeting 190729

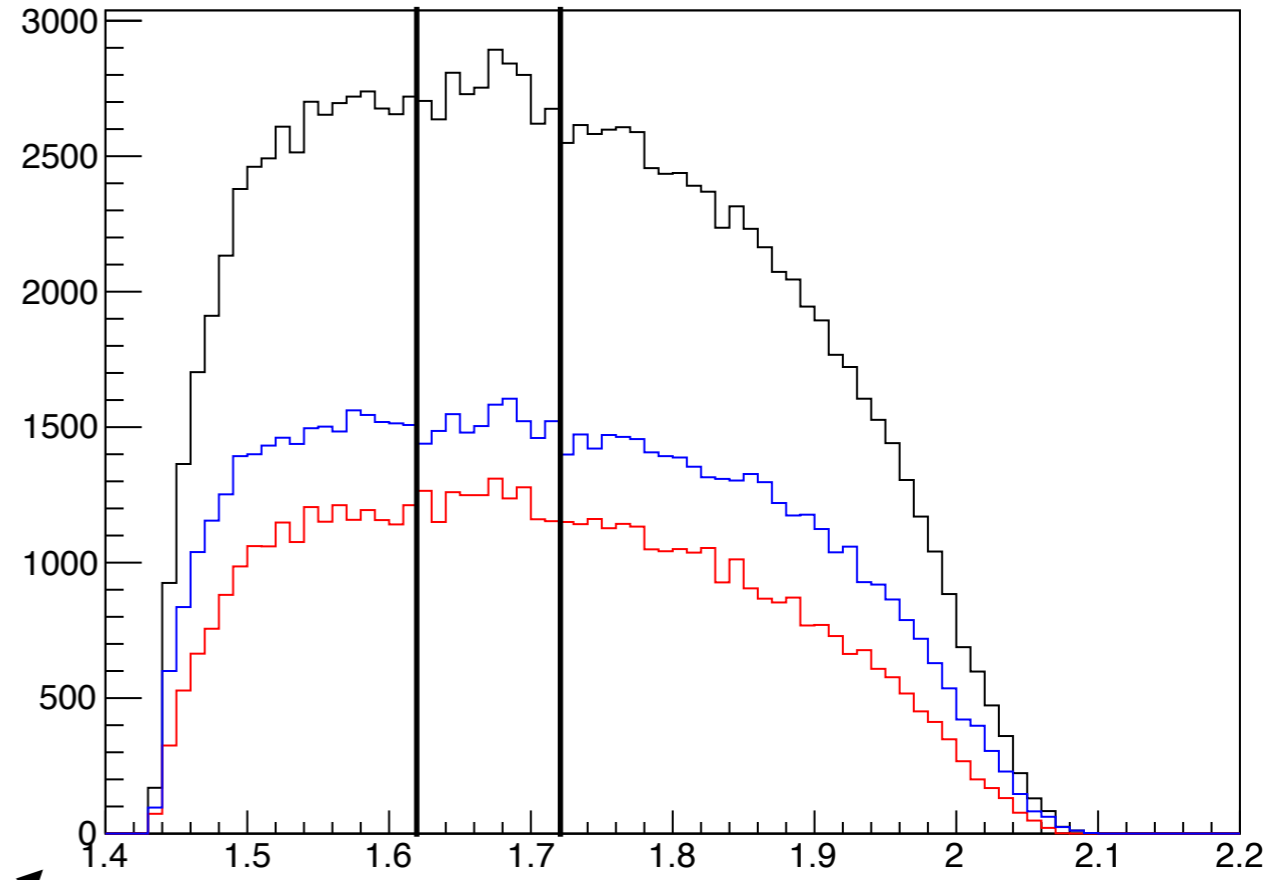
YoungJun Kim

# M(pK<sub>s</sub>)

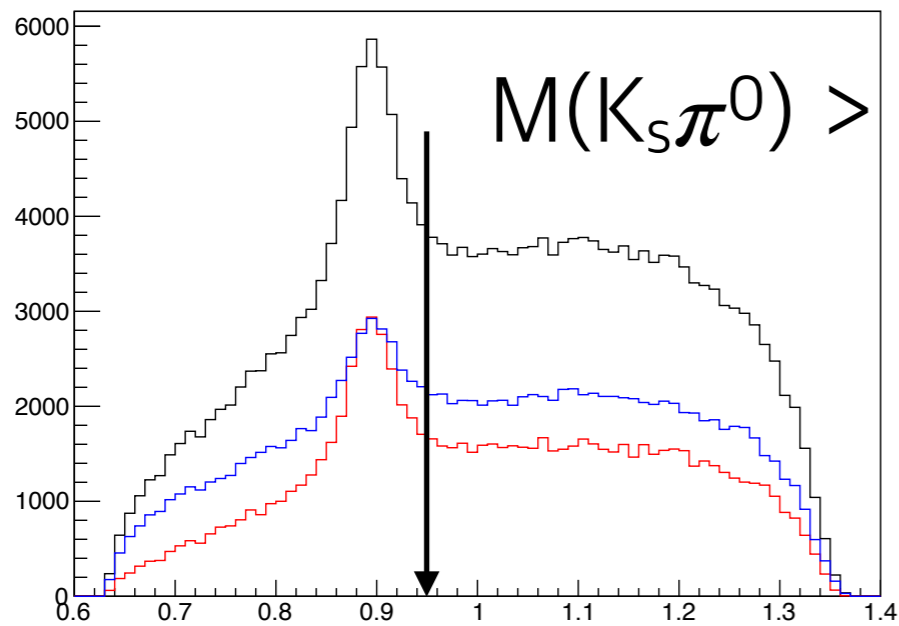
M(pK<sub>s</sub>)



M(pK<sub>s</sub>)



M(K<sub>s</sub>π<sup>0</sup>)



$M(K_s\pi^0) > 0.95$

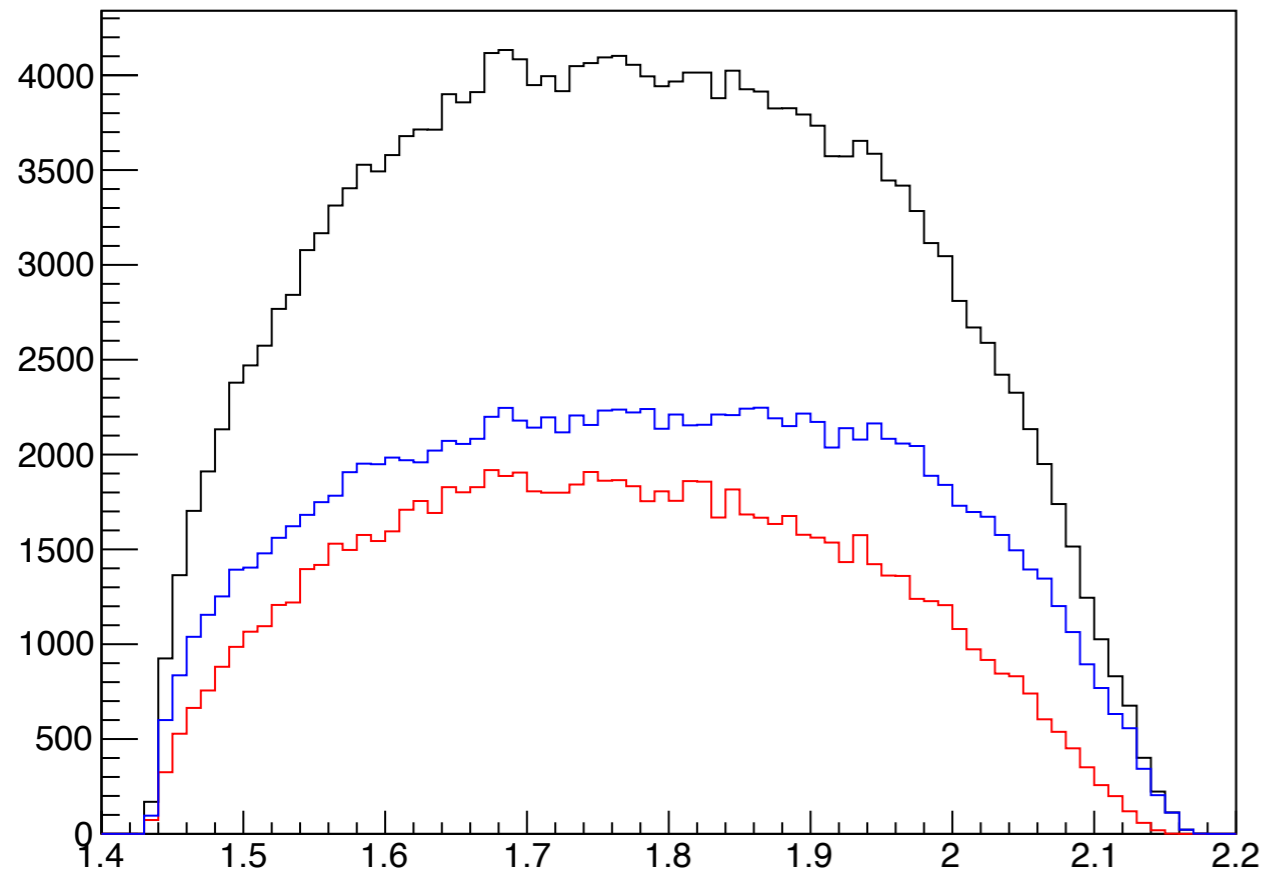
(1.62, 1.72) GeV

Ntotal = 27460

5σ significance ~ 1000 events

# M(pK<sub>s</sub>)

M(pK<sub>s</sub>)

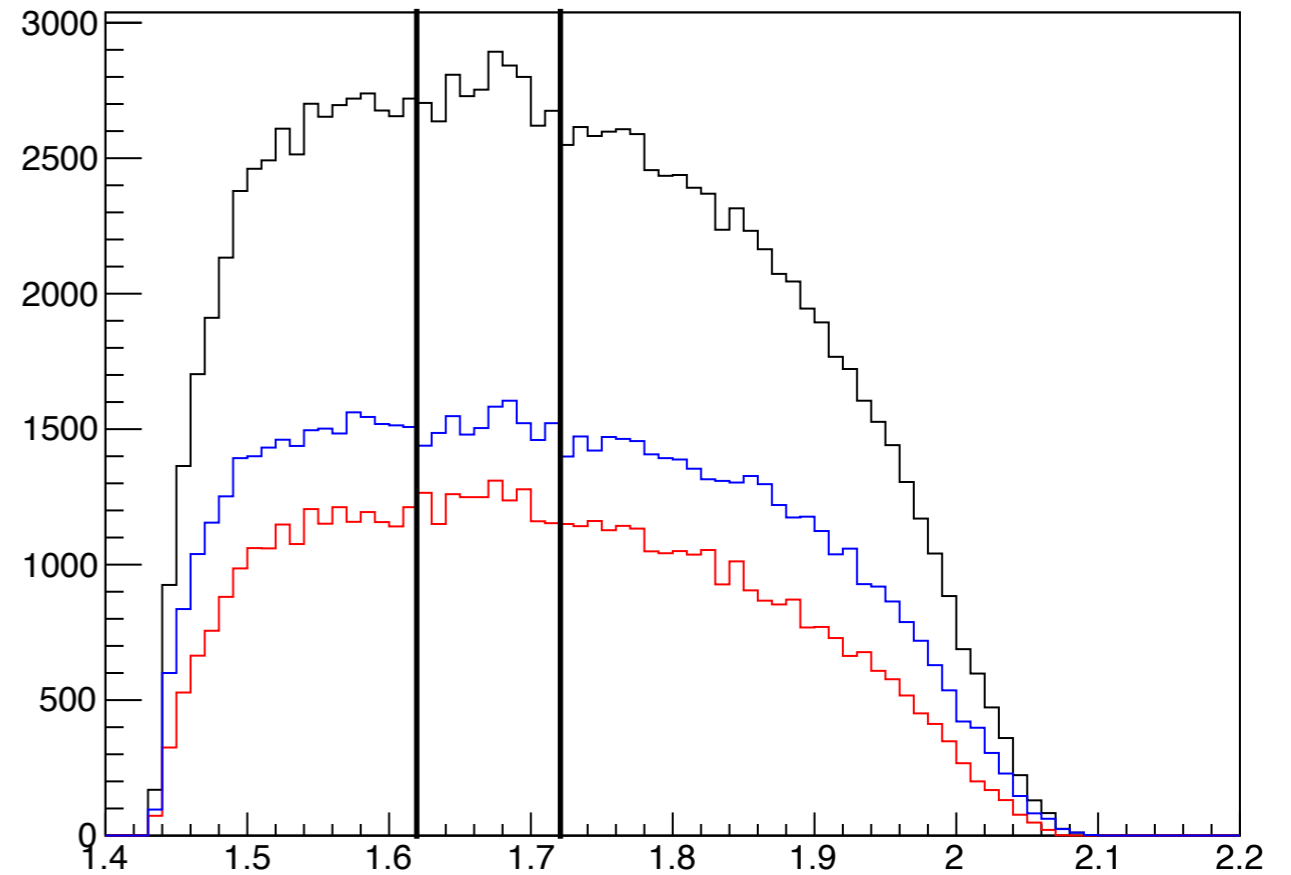


(1.62, 1.72) GeV

N<sub>total</sub> = 39372

5 $\sigma$  significance  $\sim$  1000 events

M(pK<sub>s</sub>)



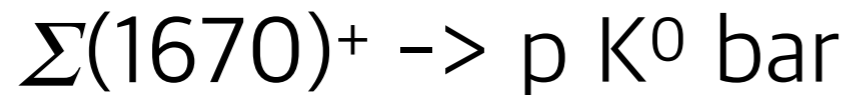
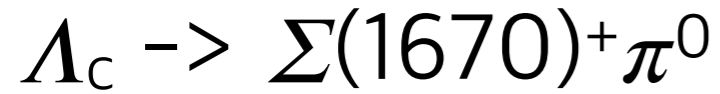
(1.62, 1.72) GeV

N<sub>total</sub> = 27460

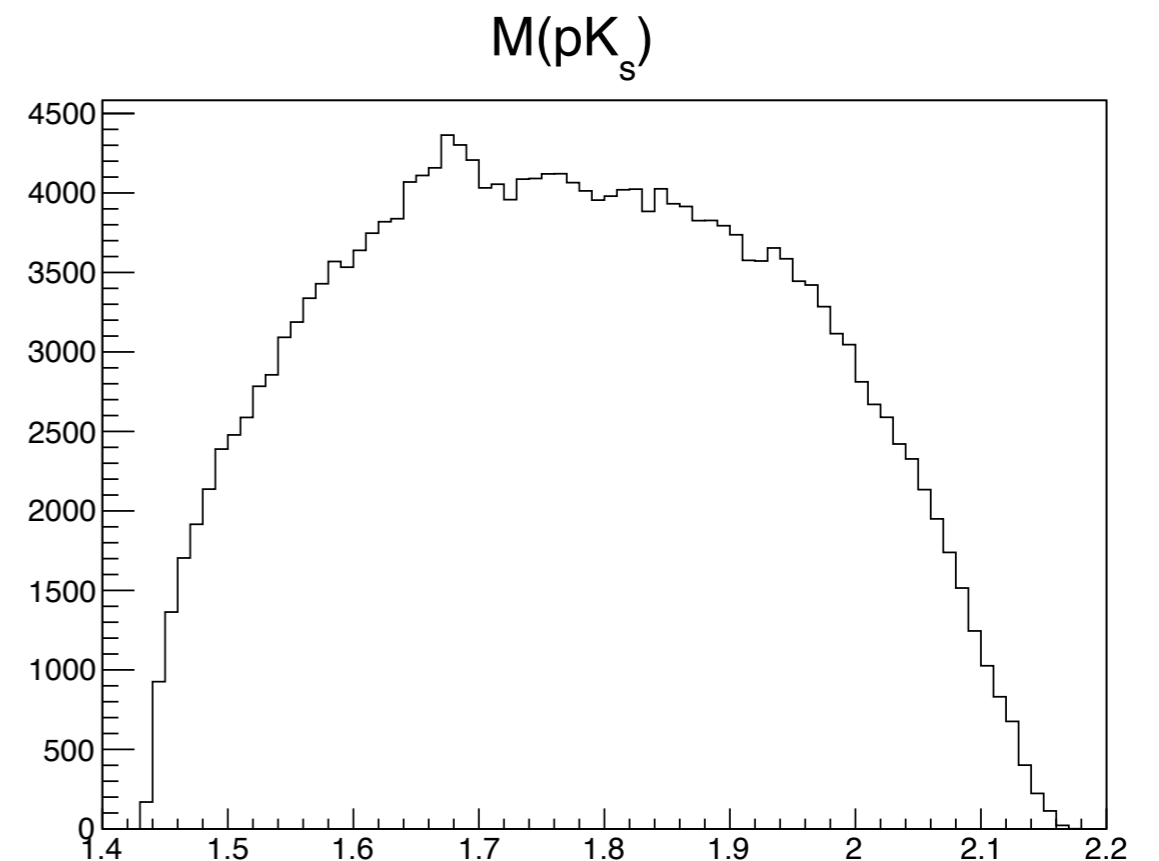
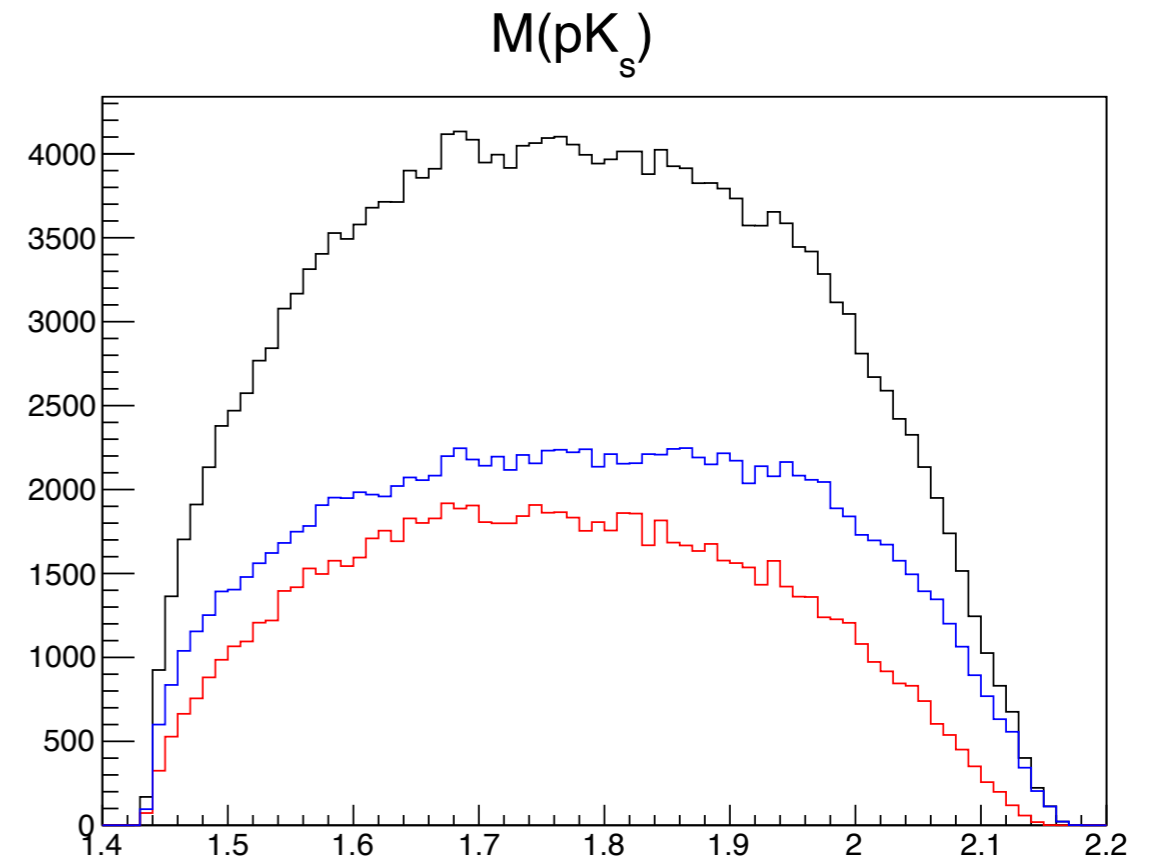
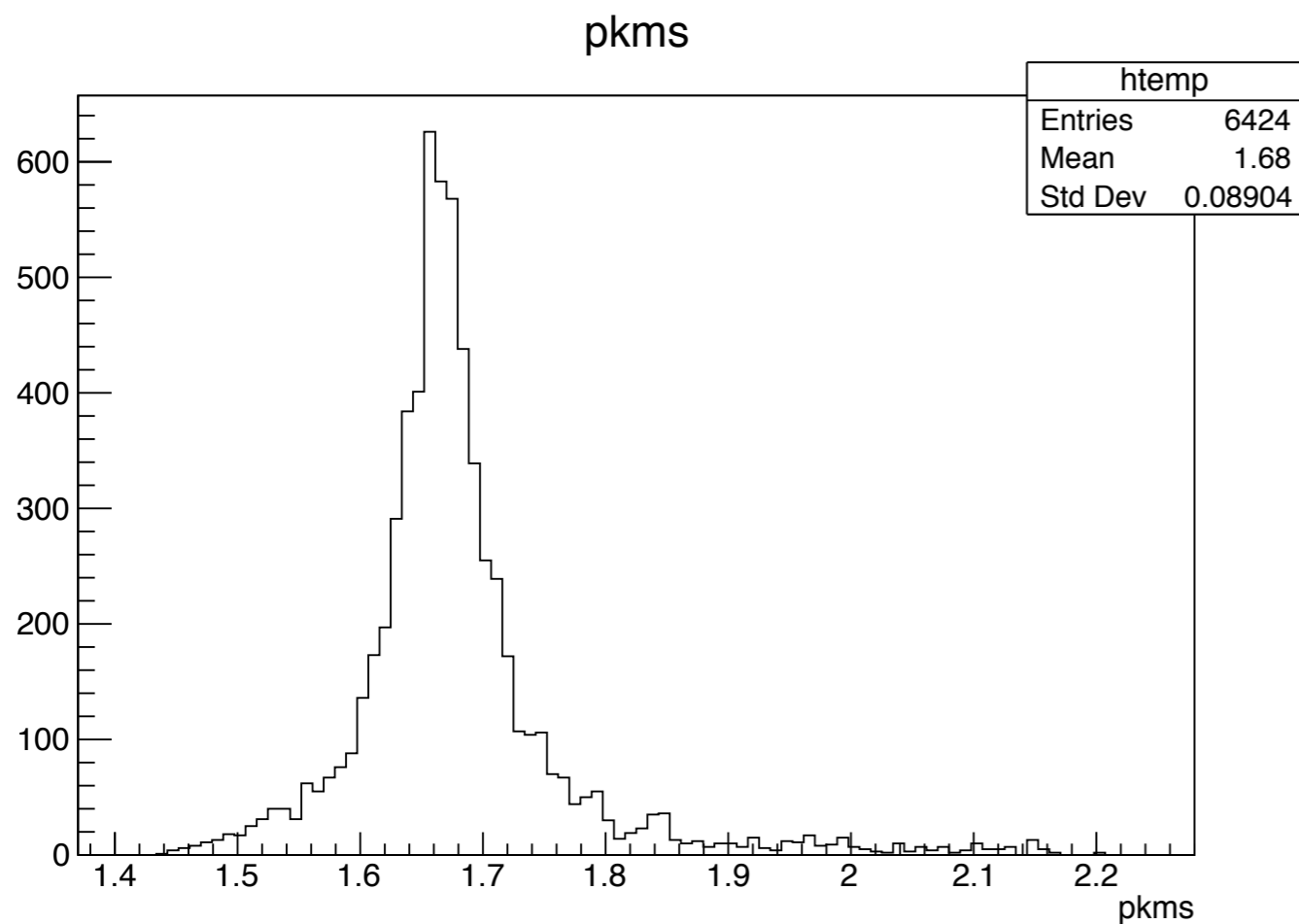
5 $\sigma$  significance  $\sim$  830 events

# Sigma(1670) signal MC

100k events generation



$\Lambda_c \rightarrow p K_s \pi^0$  generic MC (~2.5M)



**back up**