

# $d(K^-, n)'' X''$ Analysis

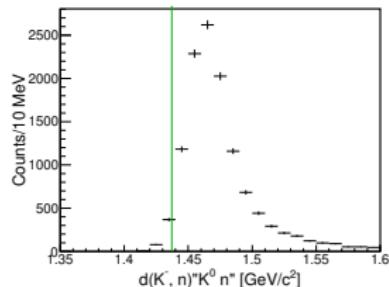
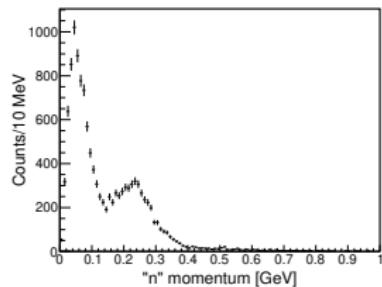
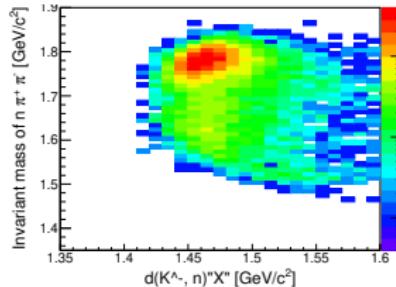
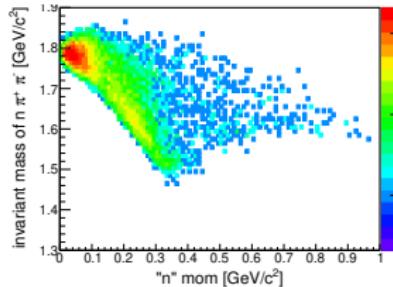
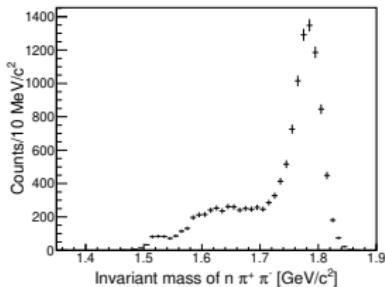
## 現在の状態

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# $K^0$ reaction plots

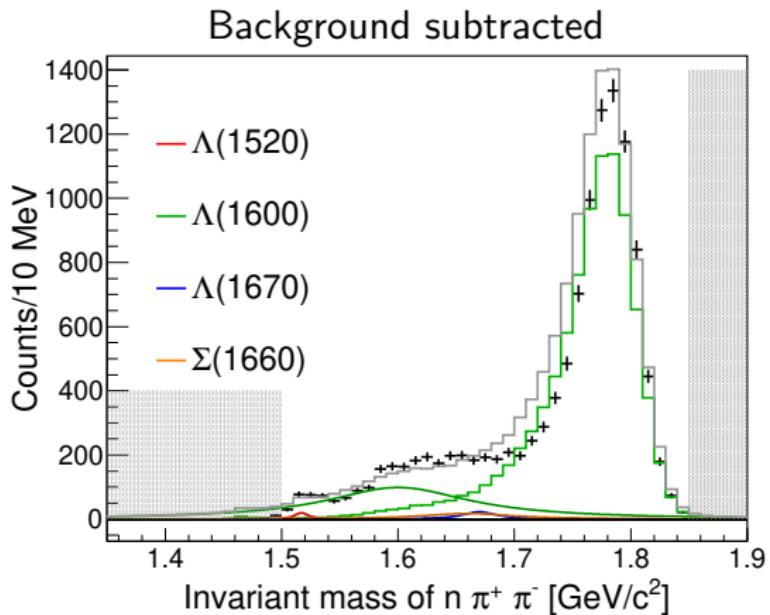
2-step like events were observed in IM of  $nK^0$  and "n" momentum.  
 $d(K^-, n)"K^0n"$  looked like 1-step reaction.



# Invariant mass of $nK^0$ Fitting Demonstration

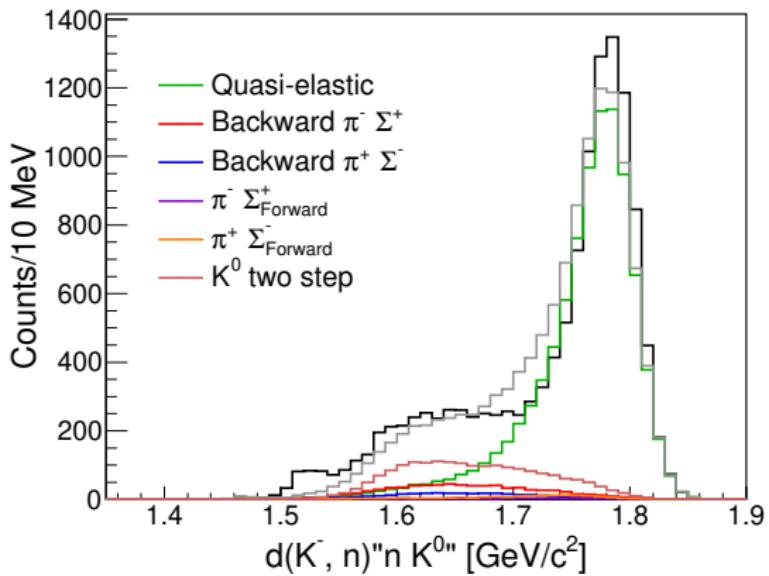
Quasi-elastic scattering was about 80 %.

There were  $Y^*$  having widely width in  $1.6[\text{GeV}/c^2]$  region.  $\sim 20\%$   $\Lambda(1520)$  was observed  $< 1\%$  The other contributed at a few %.



# 2-step reaction Demonstration

w/o  $\Lambda(1520)$   
 $\pi^\pm \Sigma^\pm$  were fixed at template fitting result.  
フェルミ運動量分布があつてない?



# To do

- $\cos_{\pi\Sigma}$  vs "n" momentum