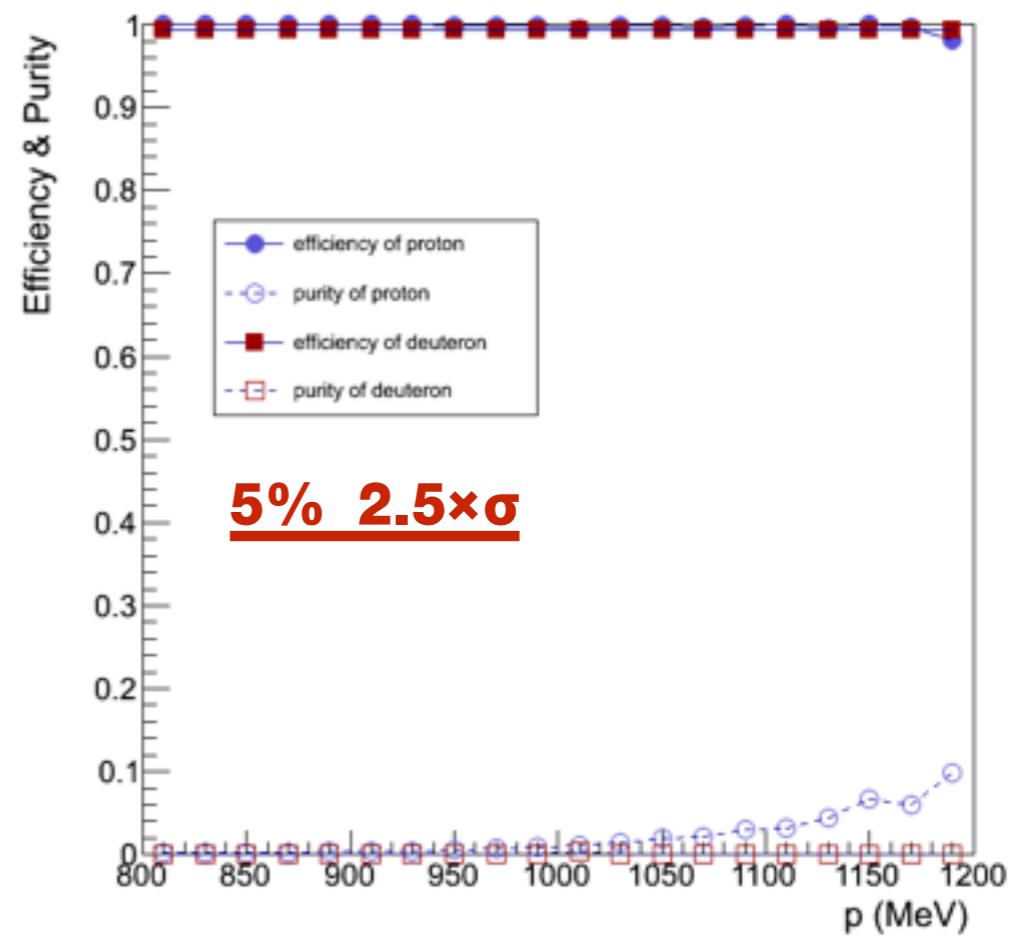
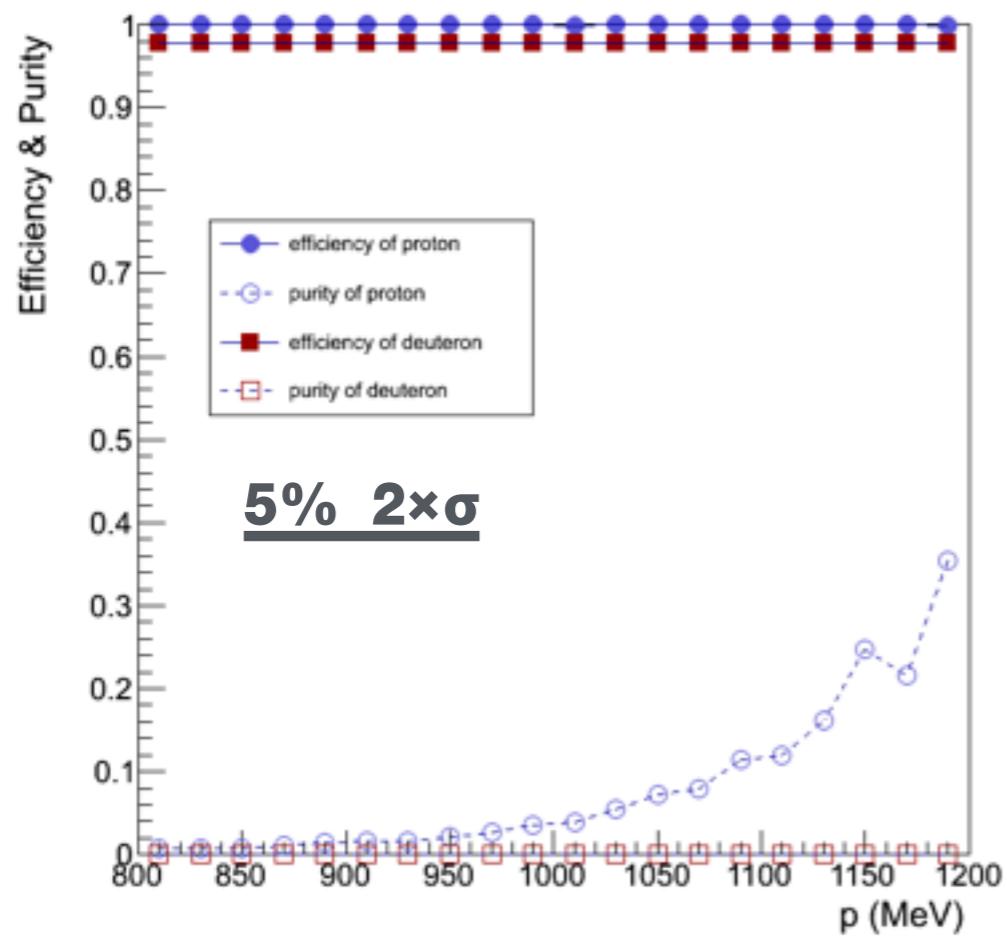
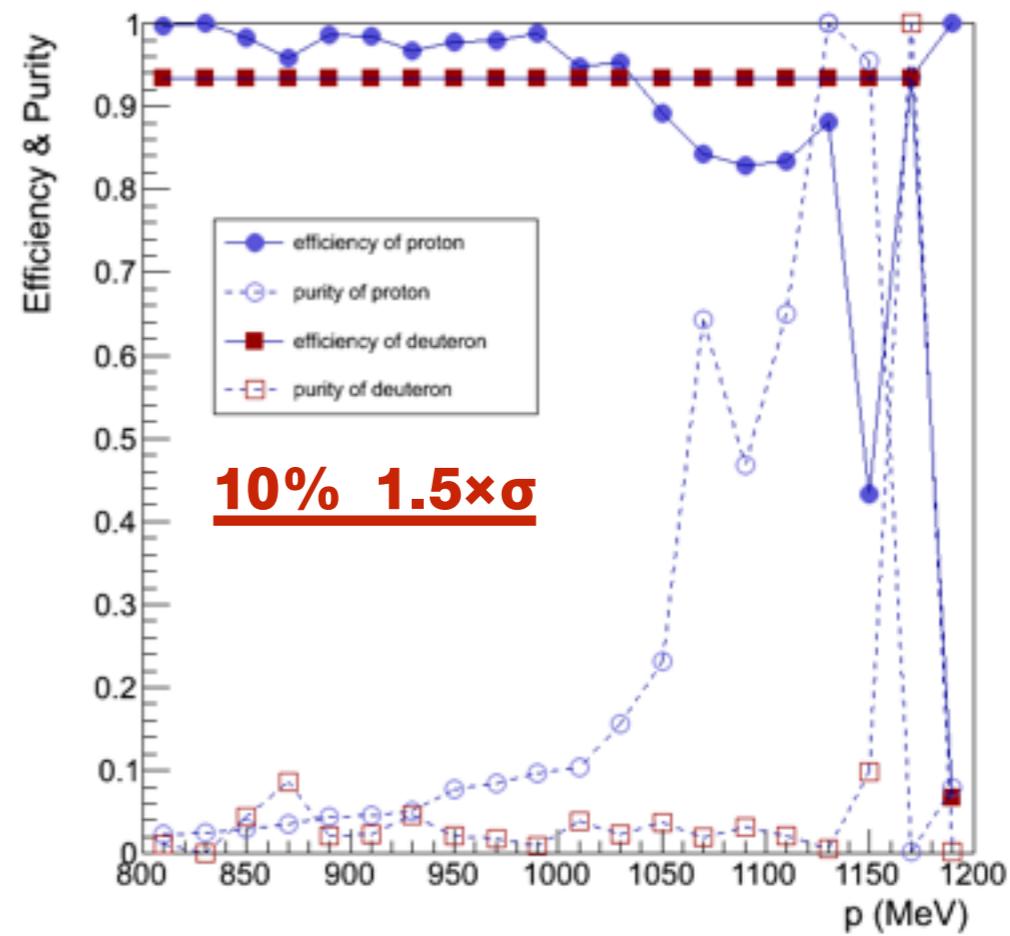
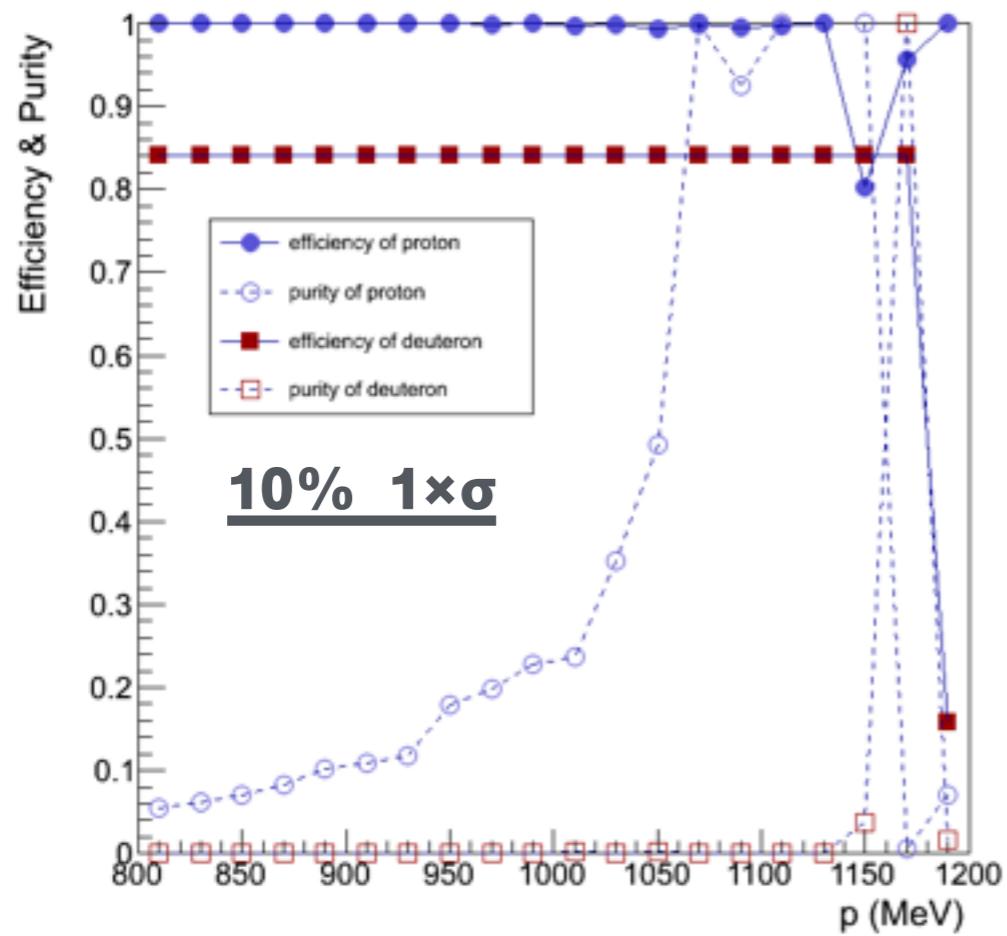
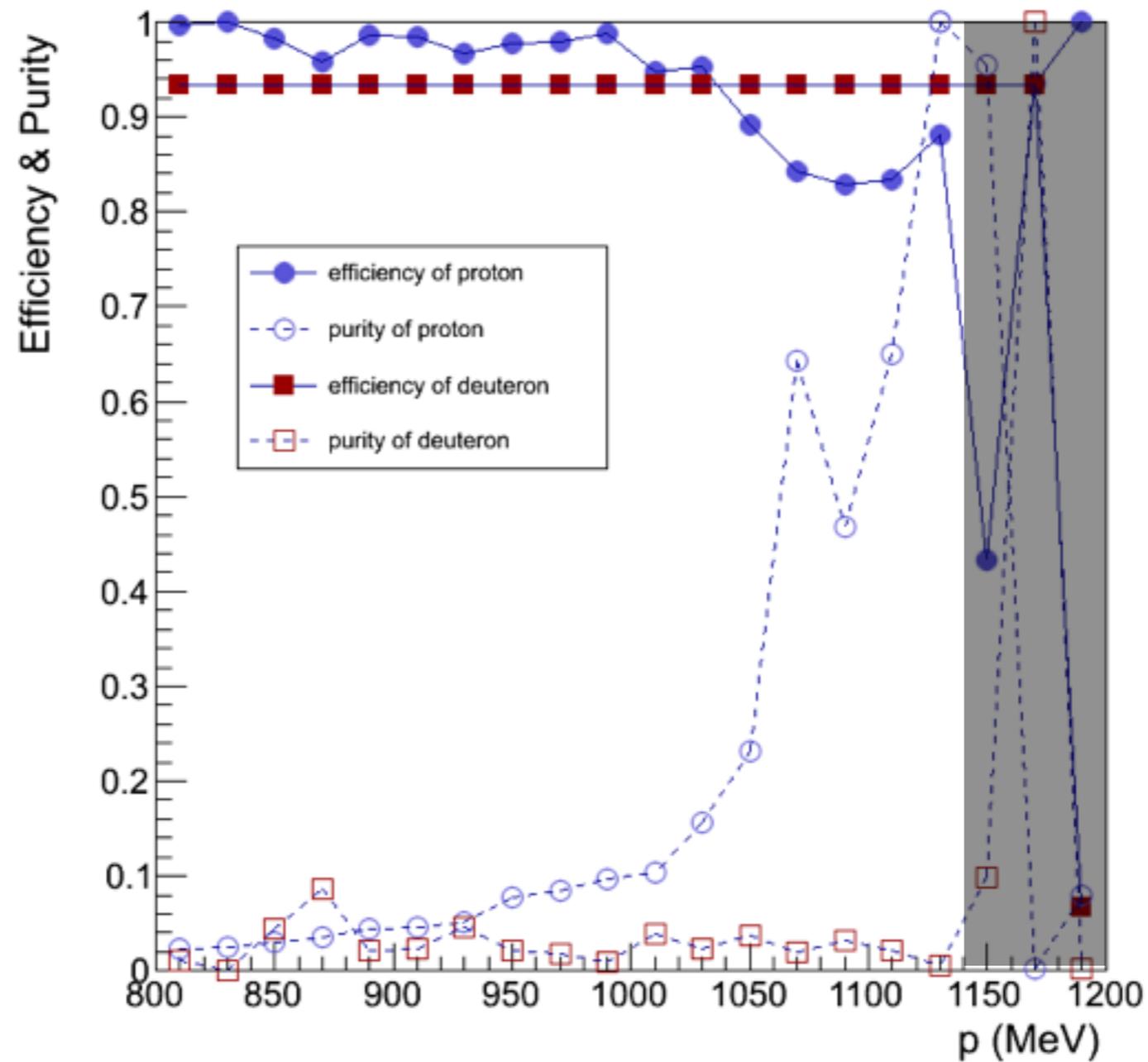


- Efficiency =  $\textcircled{2} / \textcircled{1}$
- Purity =  $\textcircled{3} / \textcircled{2}$



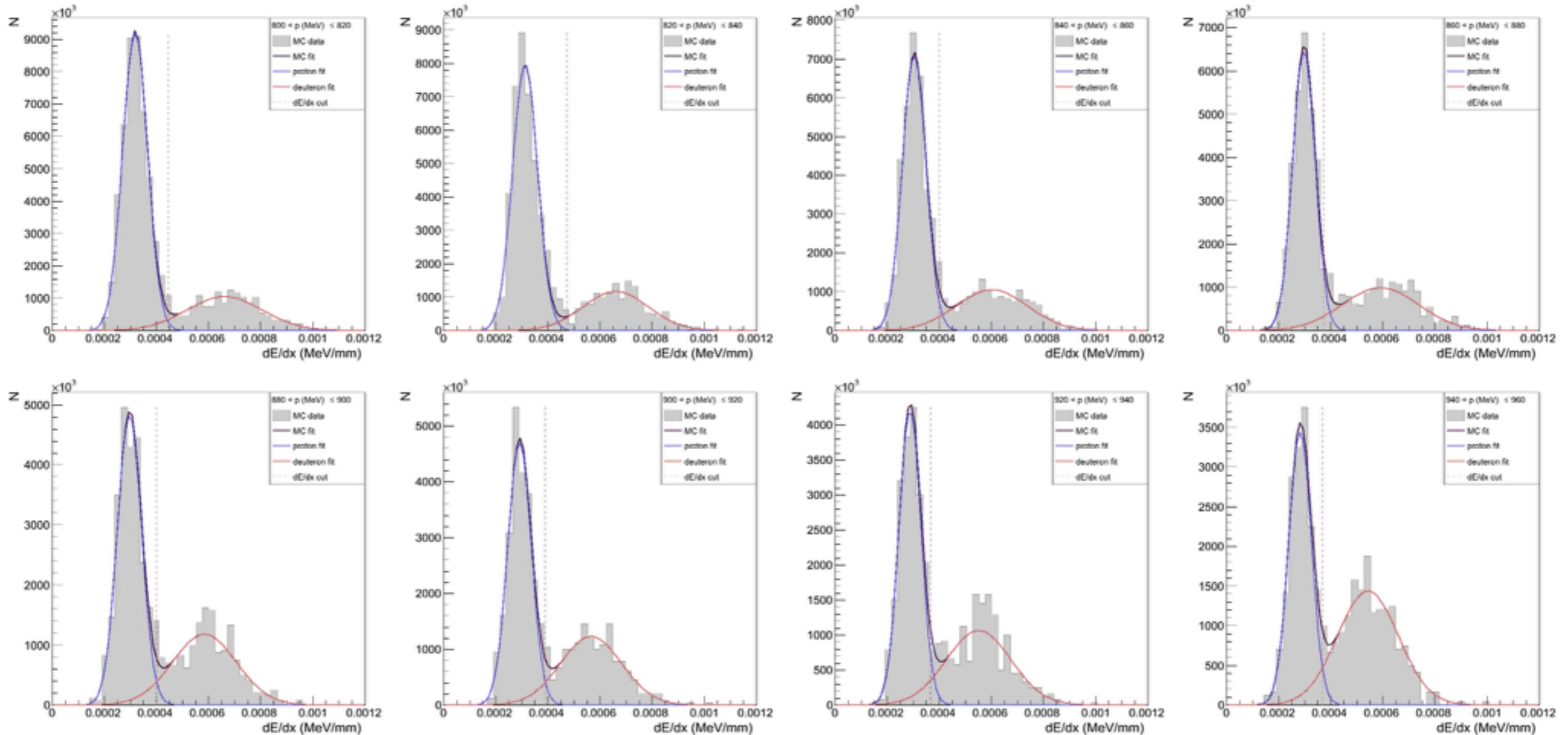
# Efficiency and Purity

dE/dx resolution : 10 % | p resolution : 10 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 1.5\sigma$



# dE/dx Distribution

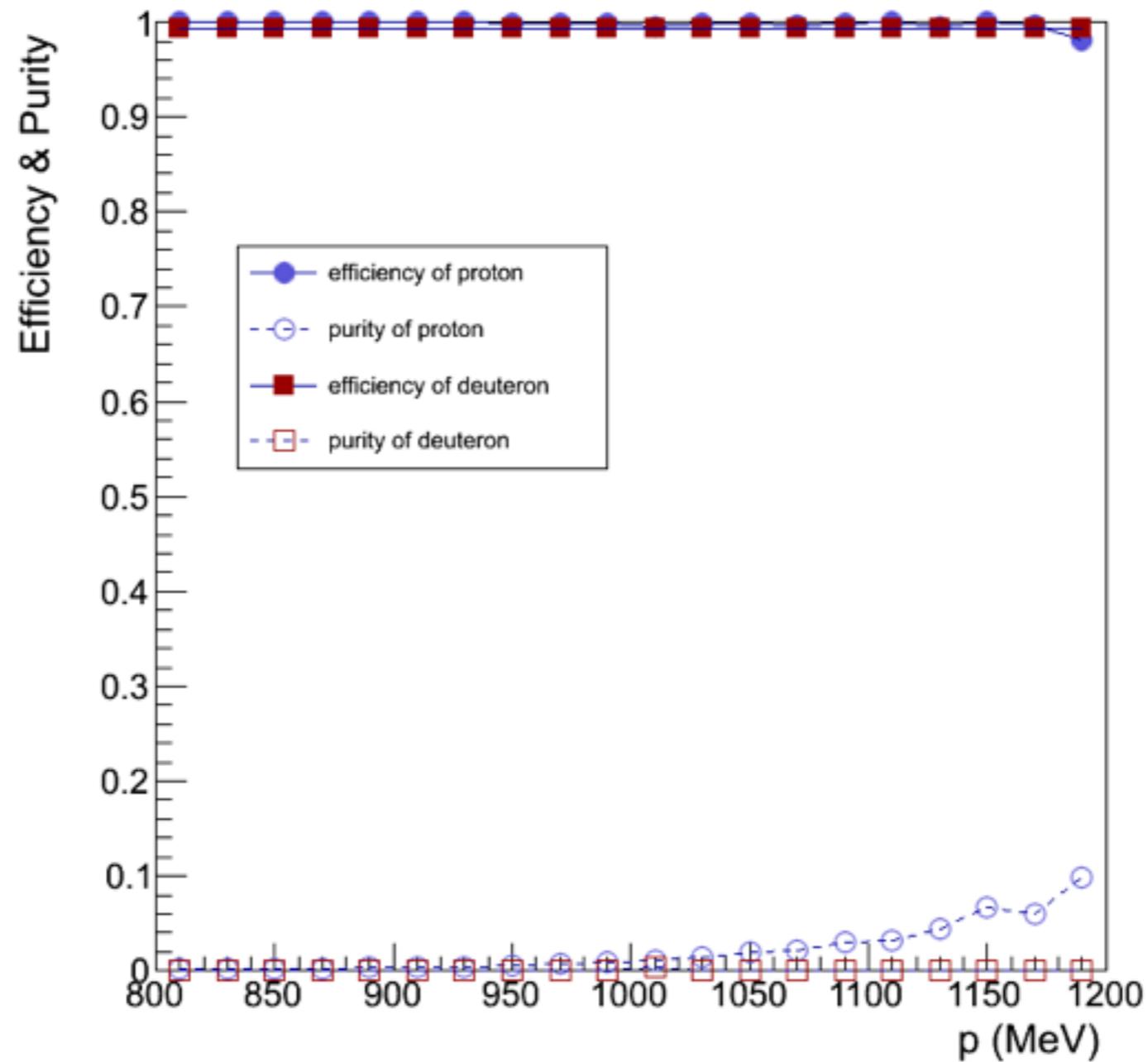
dE/dx resolution : 10 % | p resolution : 10 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 1.5\sigma$





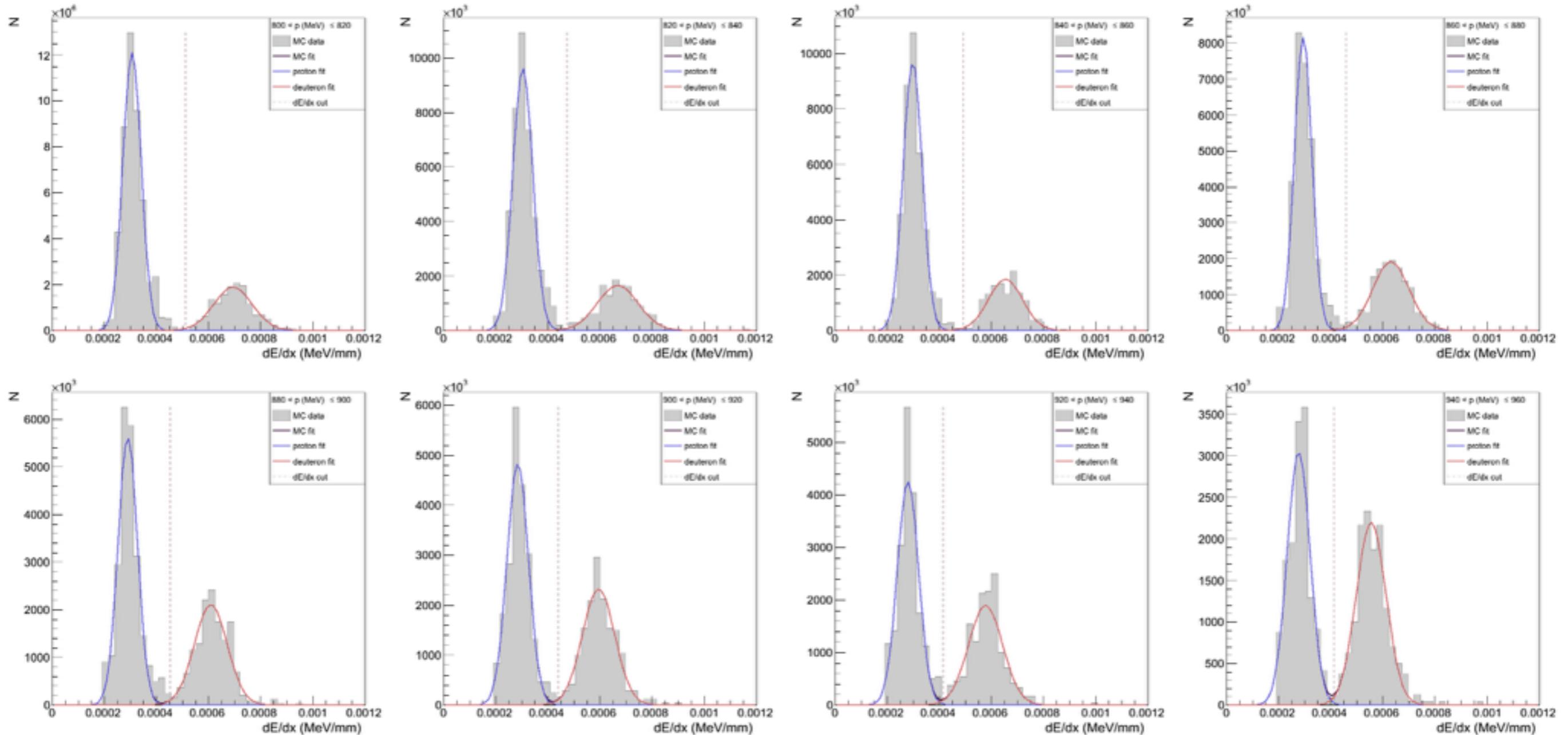
# Efficiency and Purity

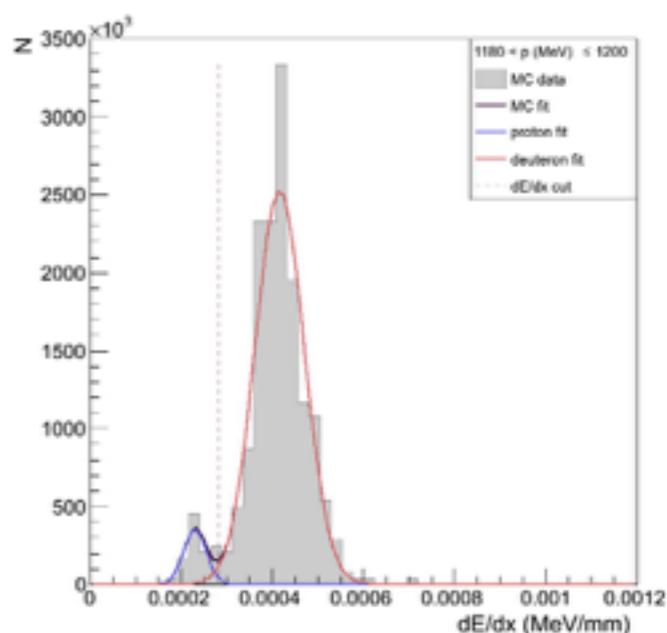
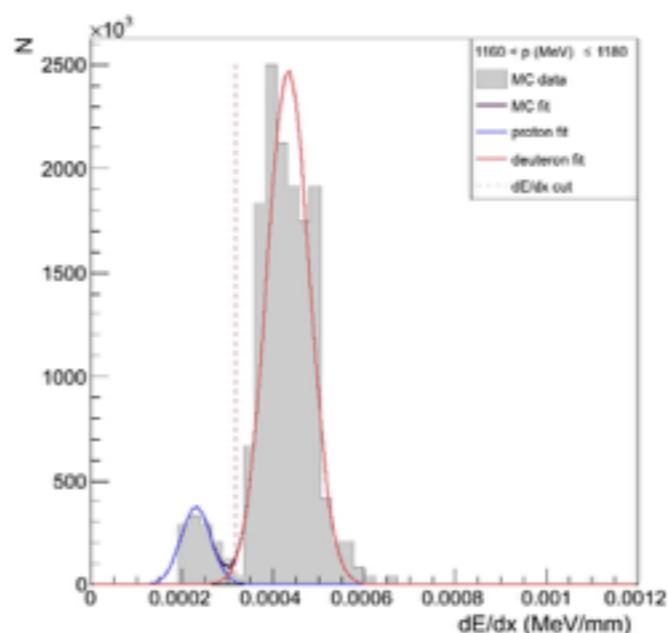
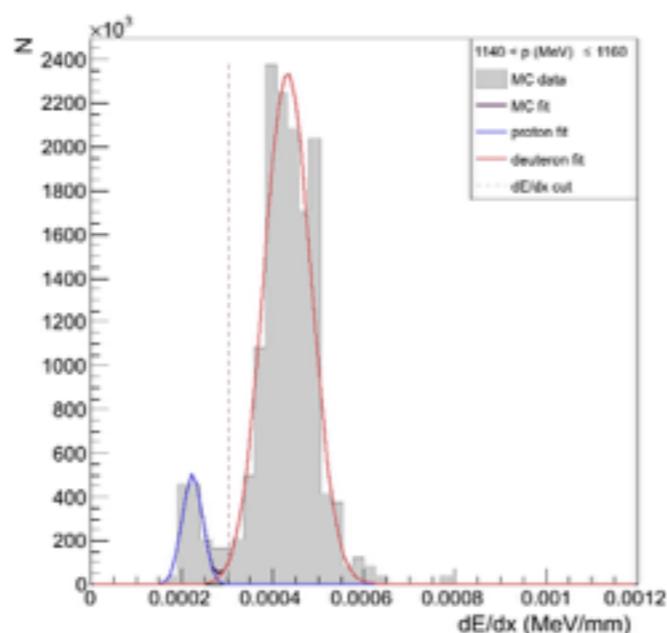
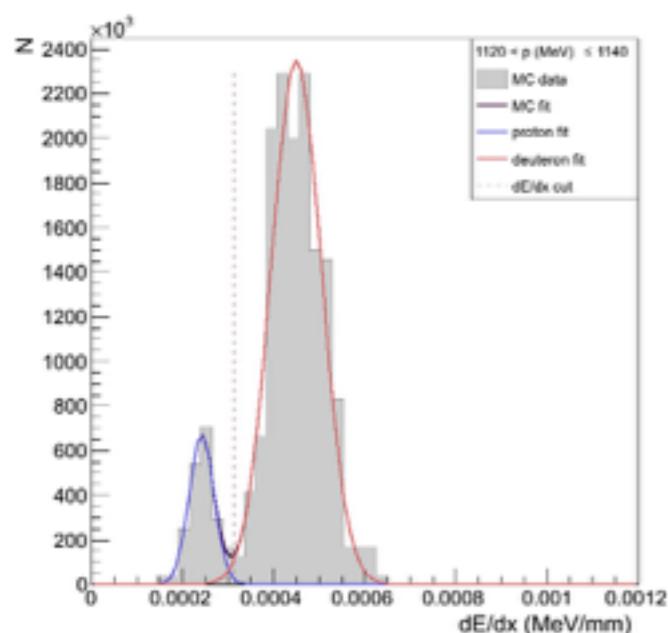
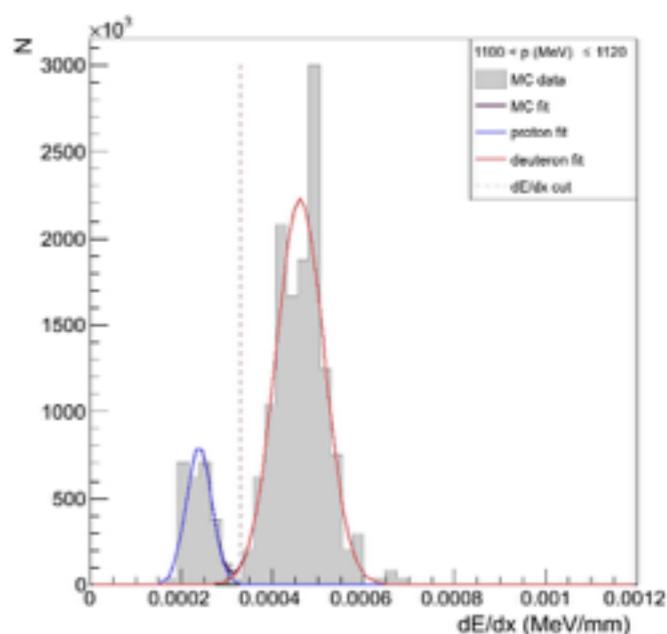
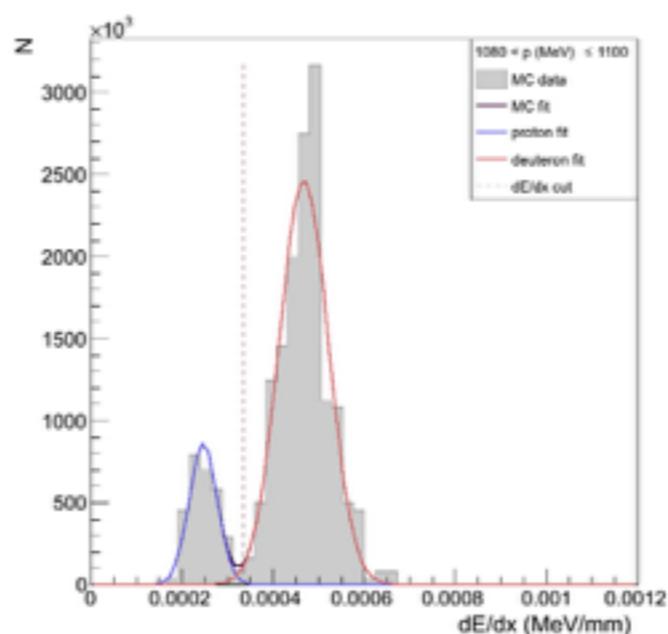
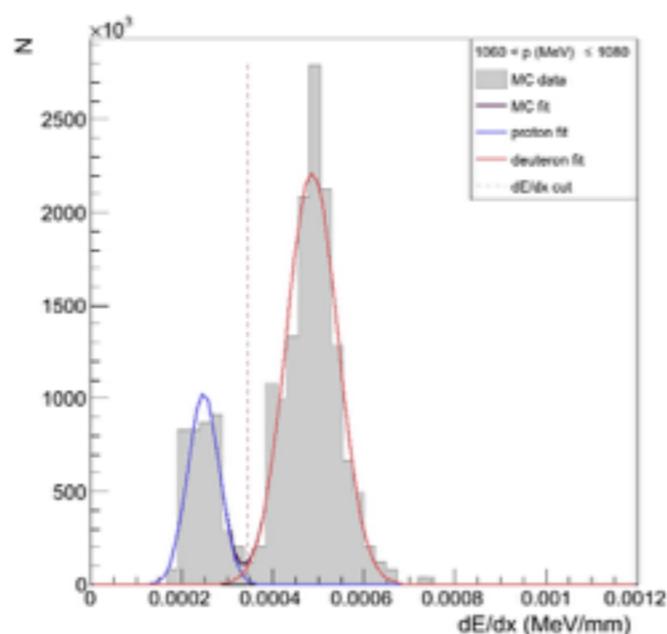
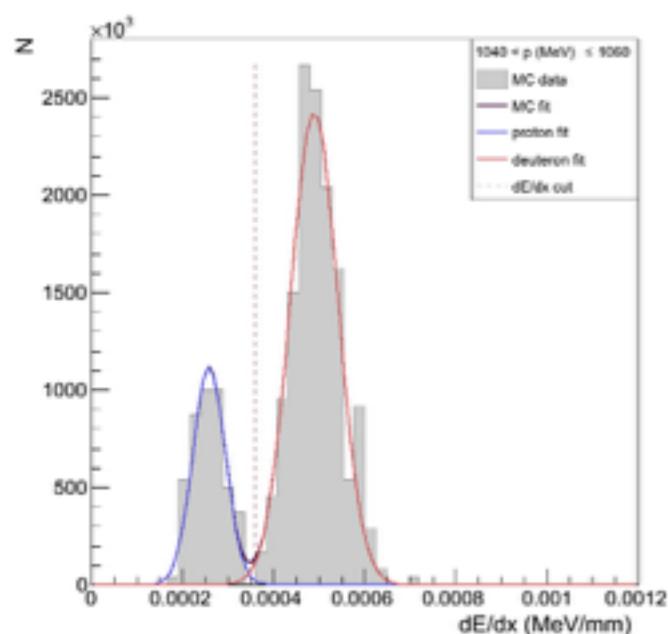
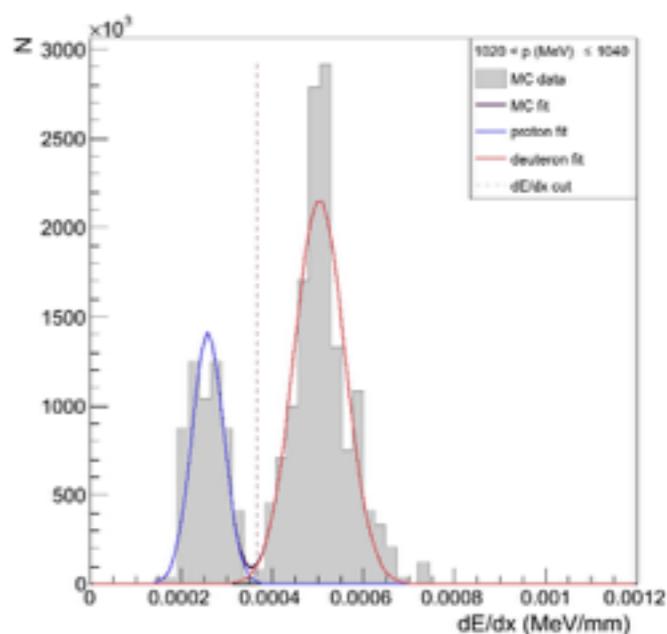
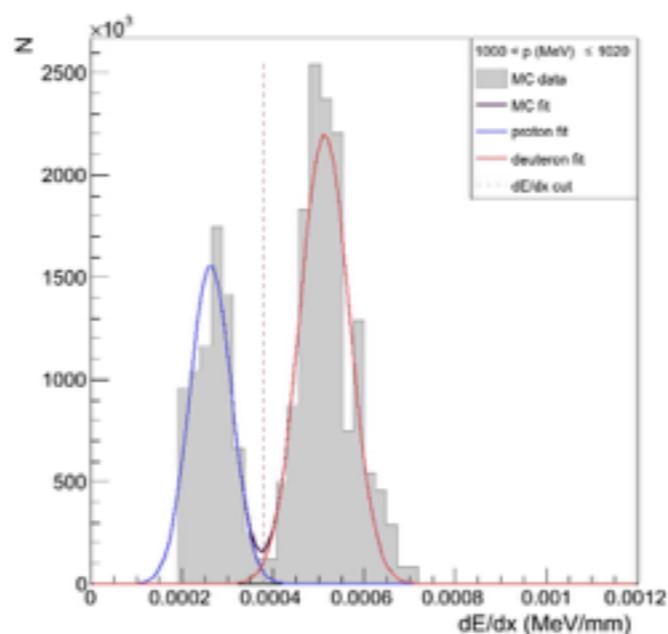
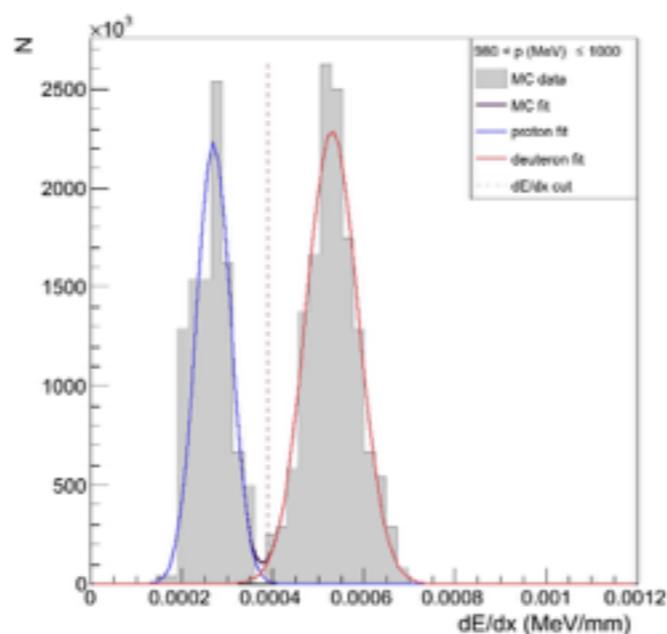
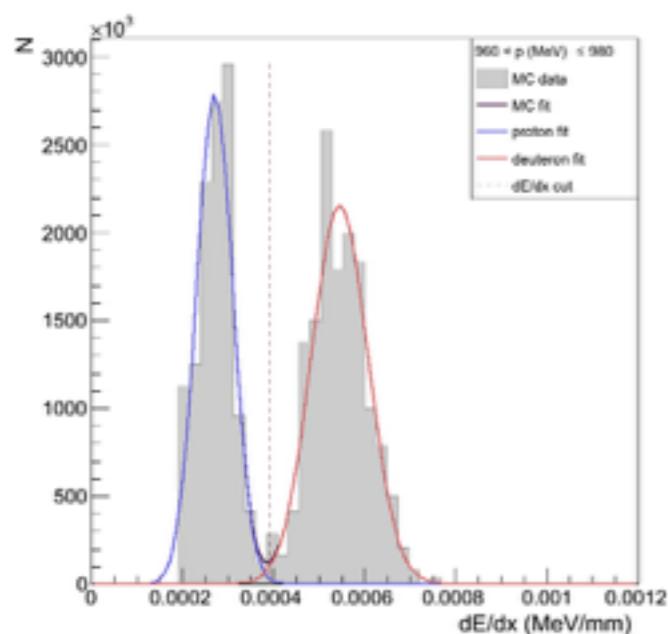
dE/dx resolution : 5 % | p resolution : 5 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 2.5\sigma$



# dE/dx Distribution

dE/dx resolution : 5 % | p resolution : 5 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 2.5 \times \sigma$

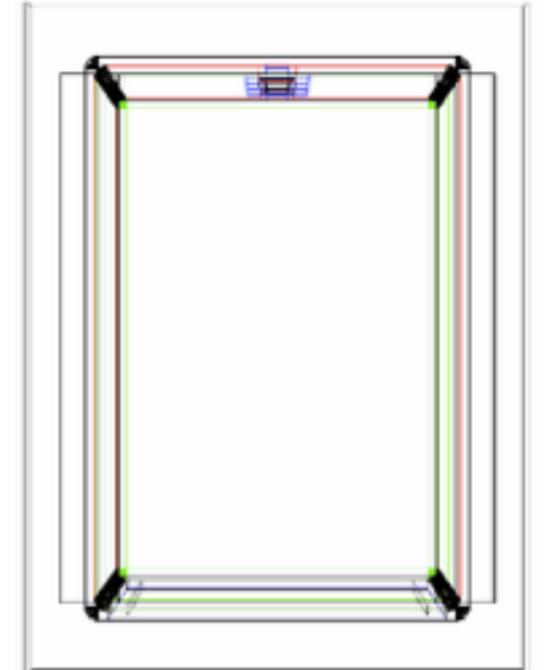
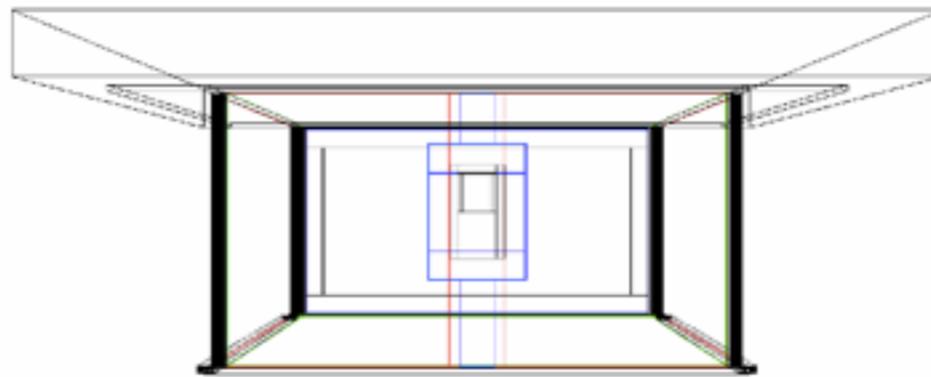




# SPIRIT Software

## Geometry

Mike



## Digitization

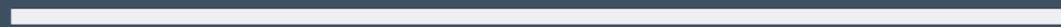
**Frobi** (Me?)

“Leave comments on code  
and share with other members”

## Reconstruction

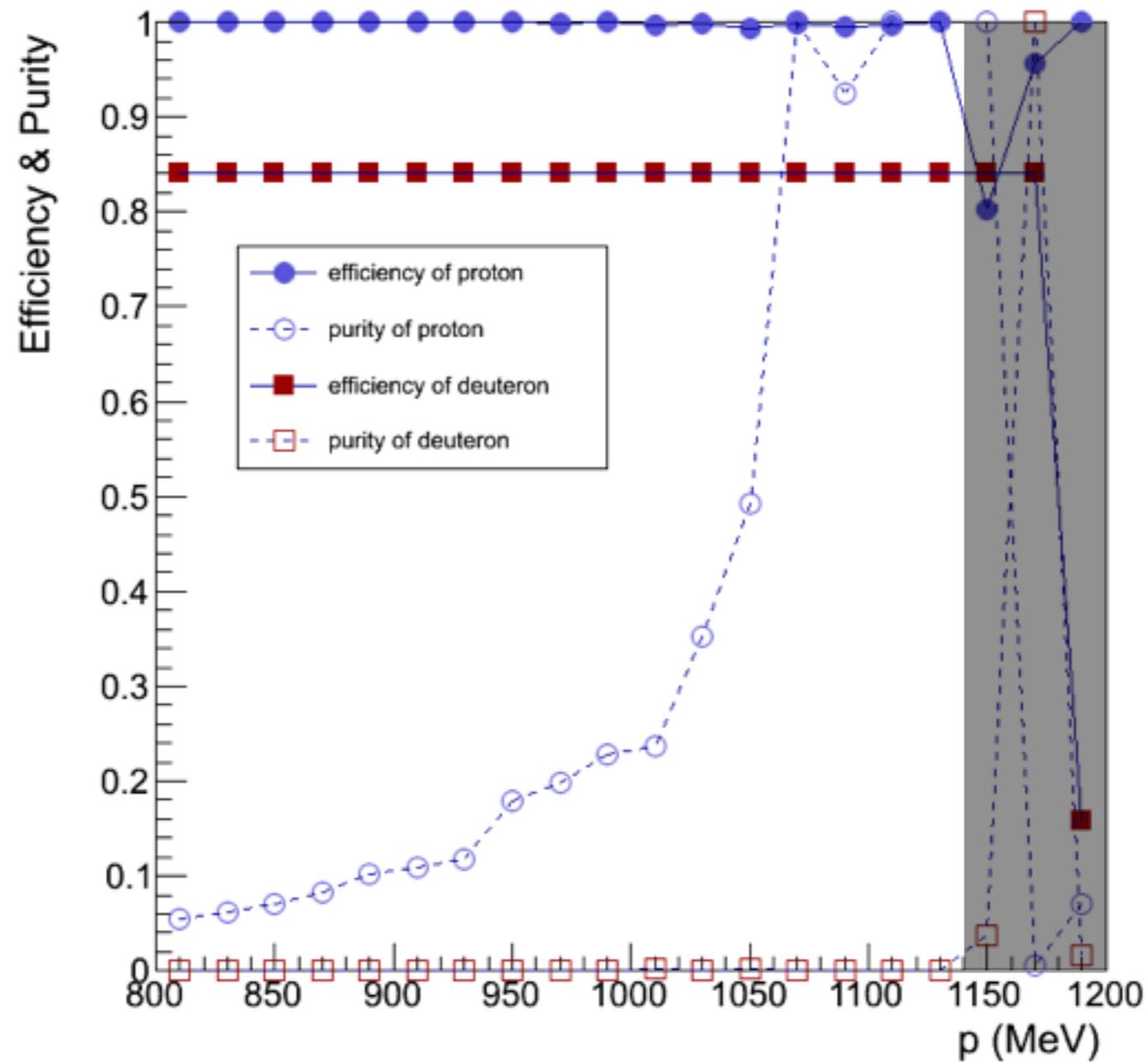
Genie

**BACKUP**



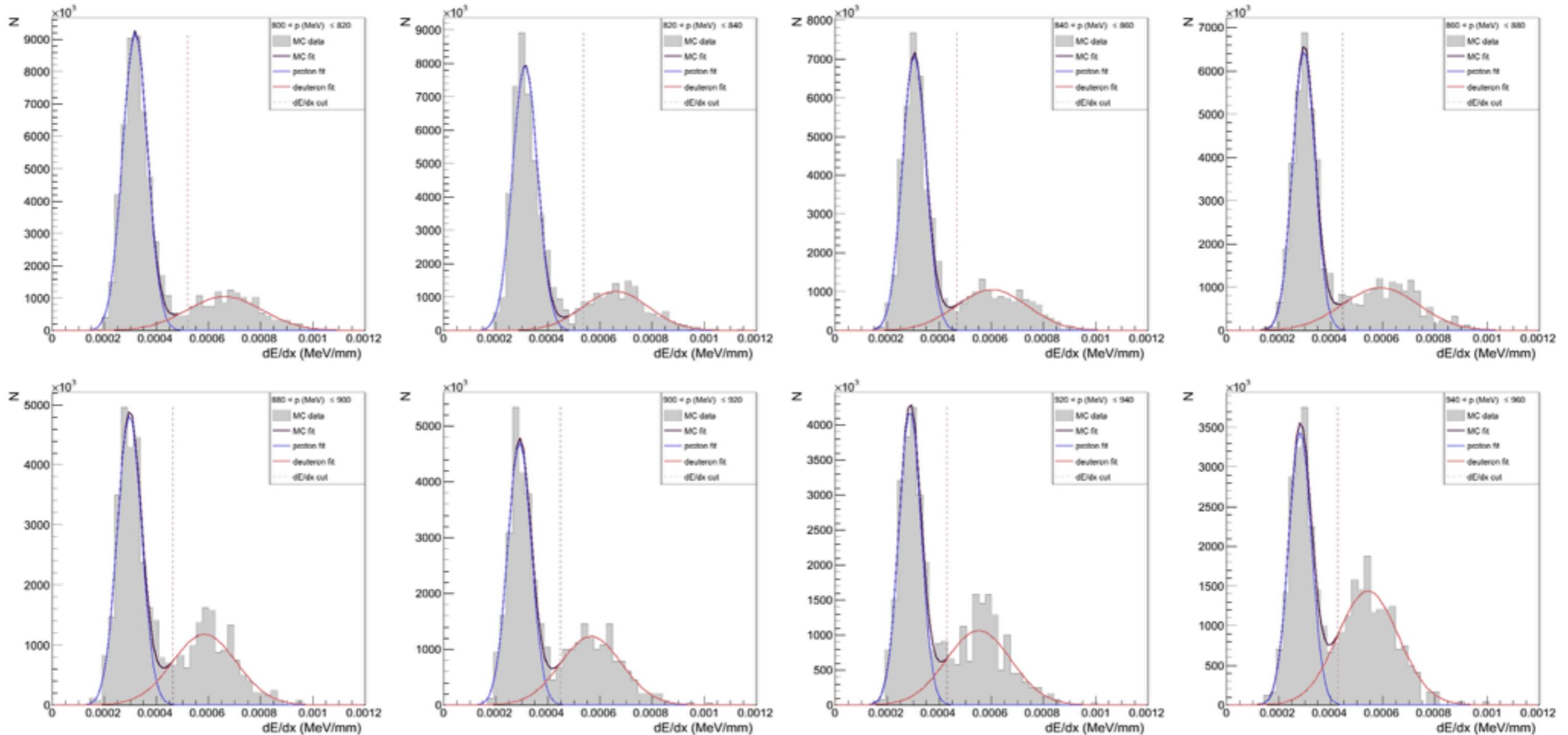
# Efficiency and Purity

dE/dx resolution : 10 % | p resolution : 10 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 1 \times \sigma$



# dE/dx Distribution

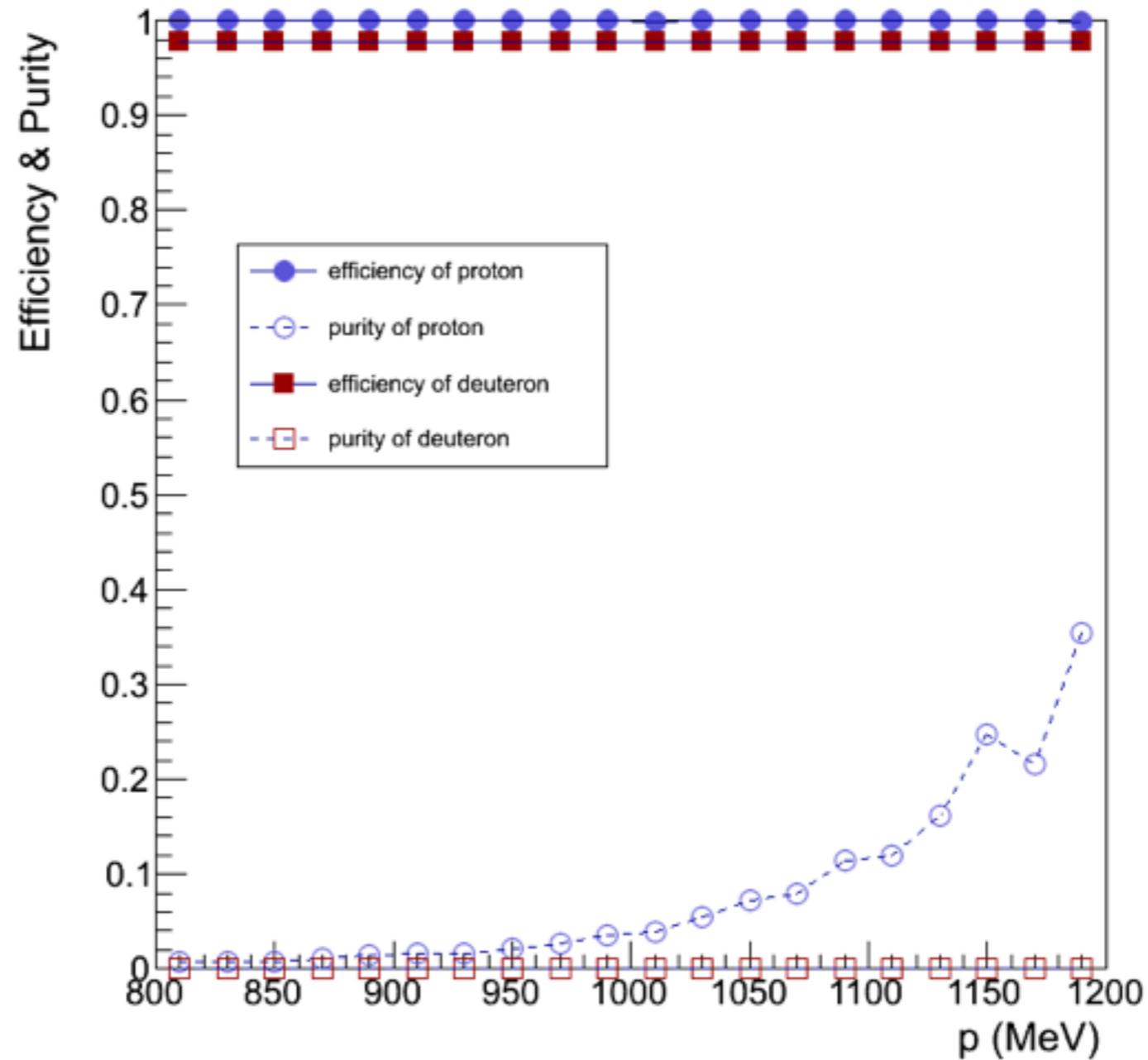
dE/dx resolution : 10 % | p resolution : 10 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 1 \times \sigma$





# Efficiency and Purity

dE/dx resolution : 5 % | p resolution : 5 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 2\sigma$



# dE/dx Distribution

dE/dx resolution : 5 % | p resolution : 5 % | dE/dx cut :  $\text{mean}_{\text{deuteron}} - 2\sigma$

