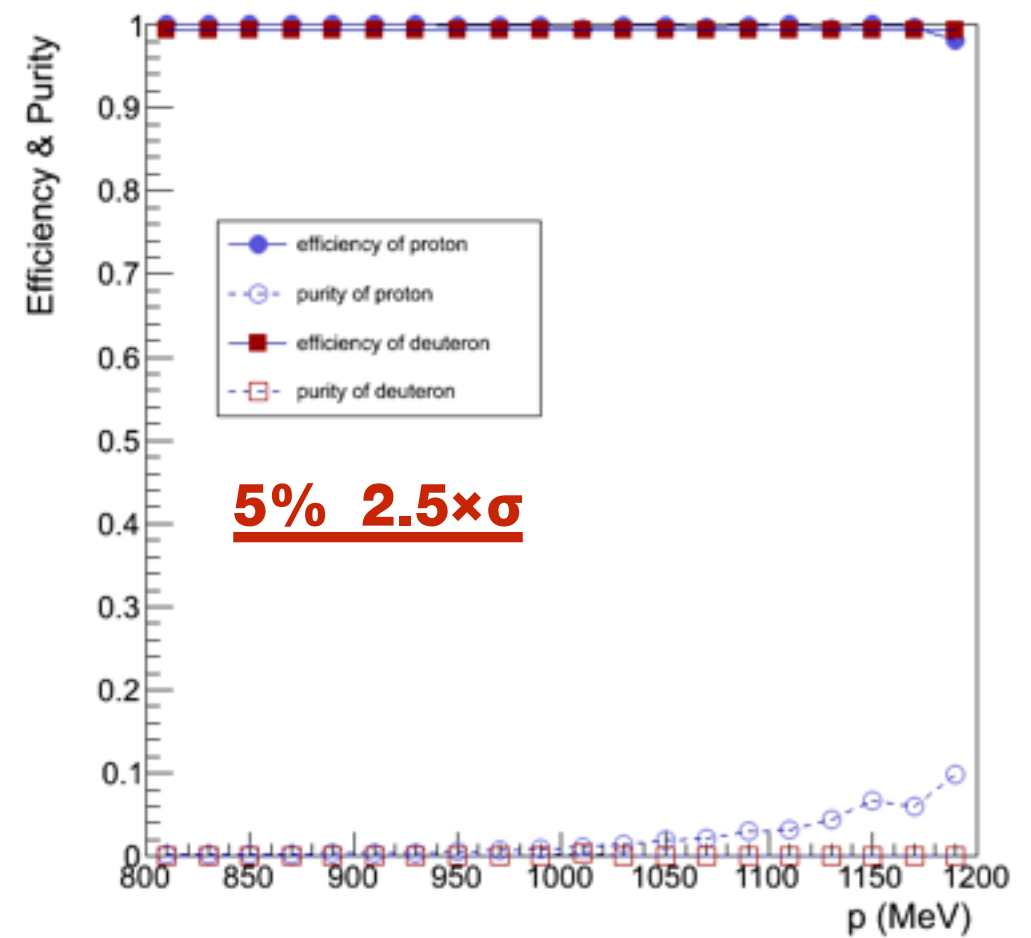
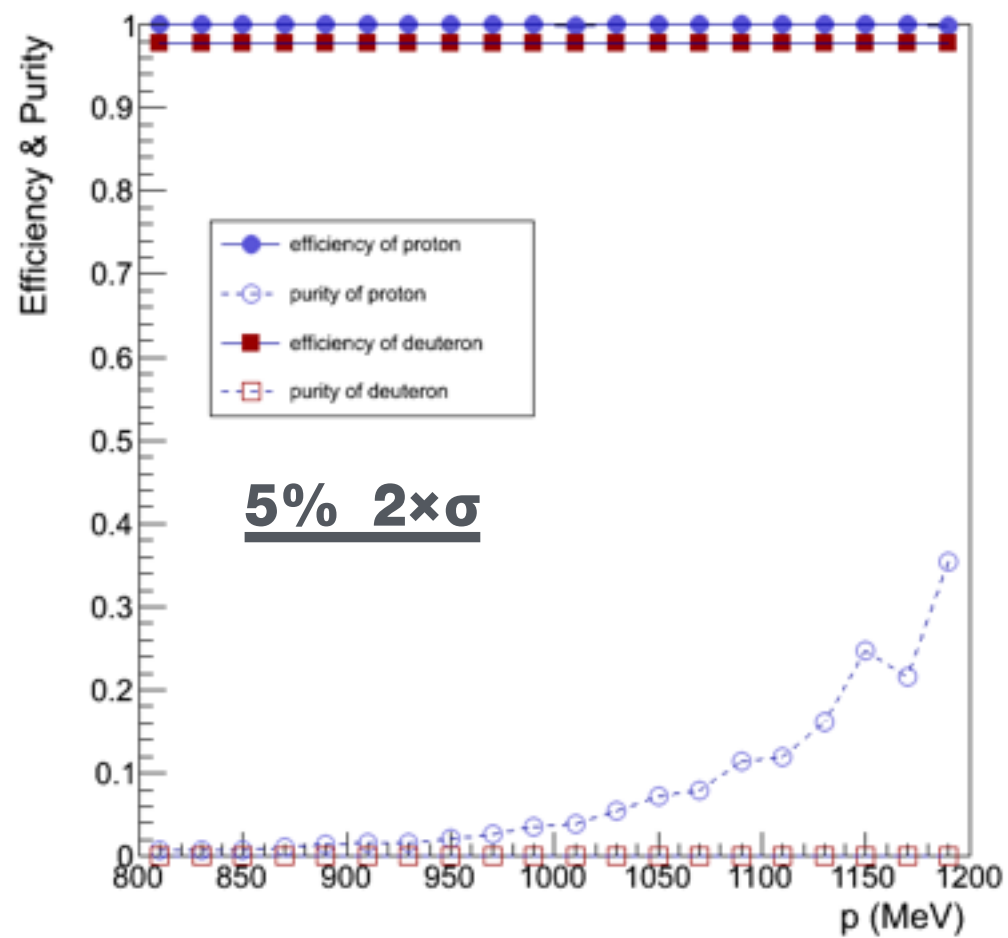
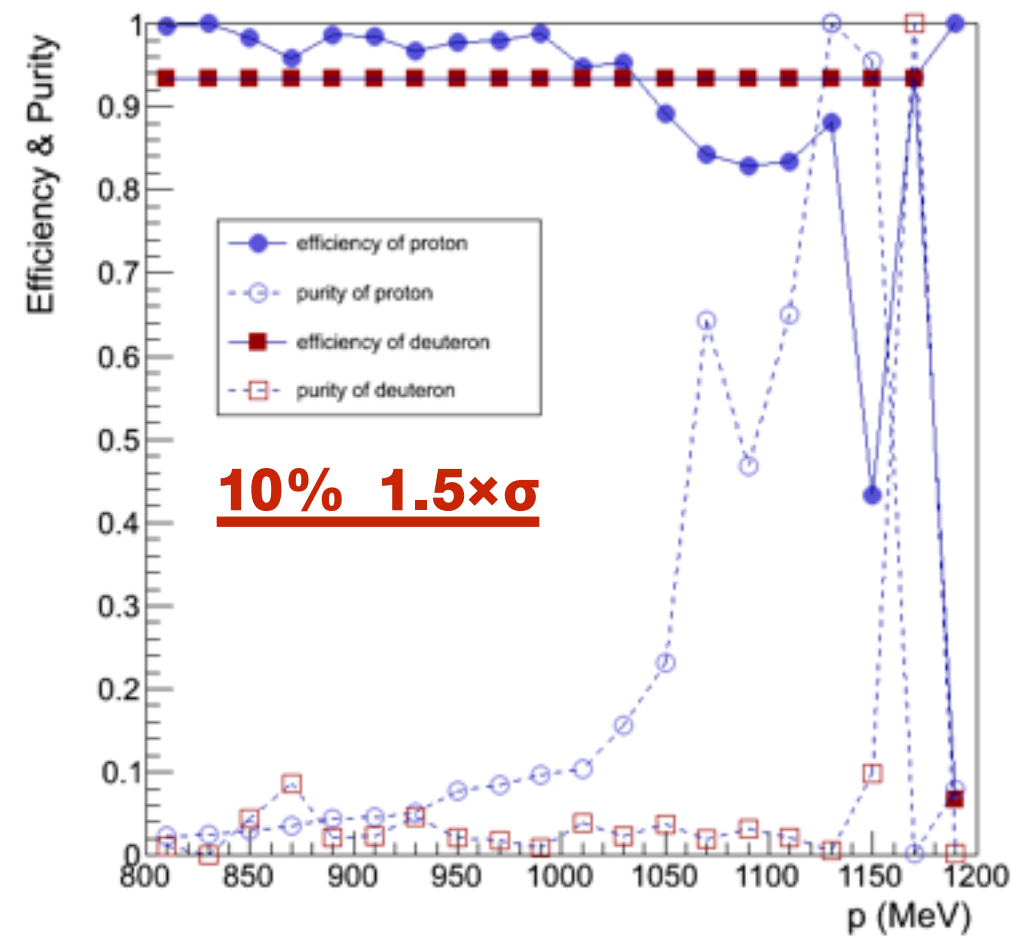
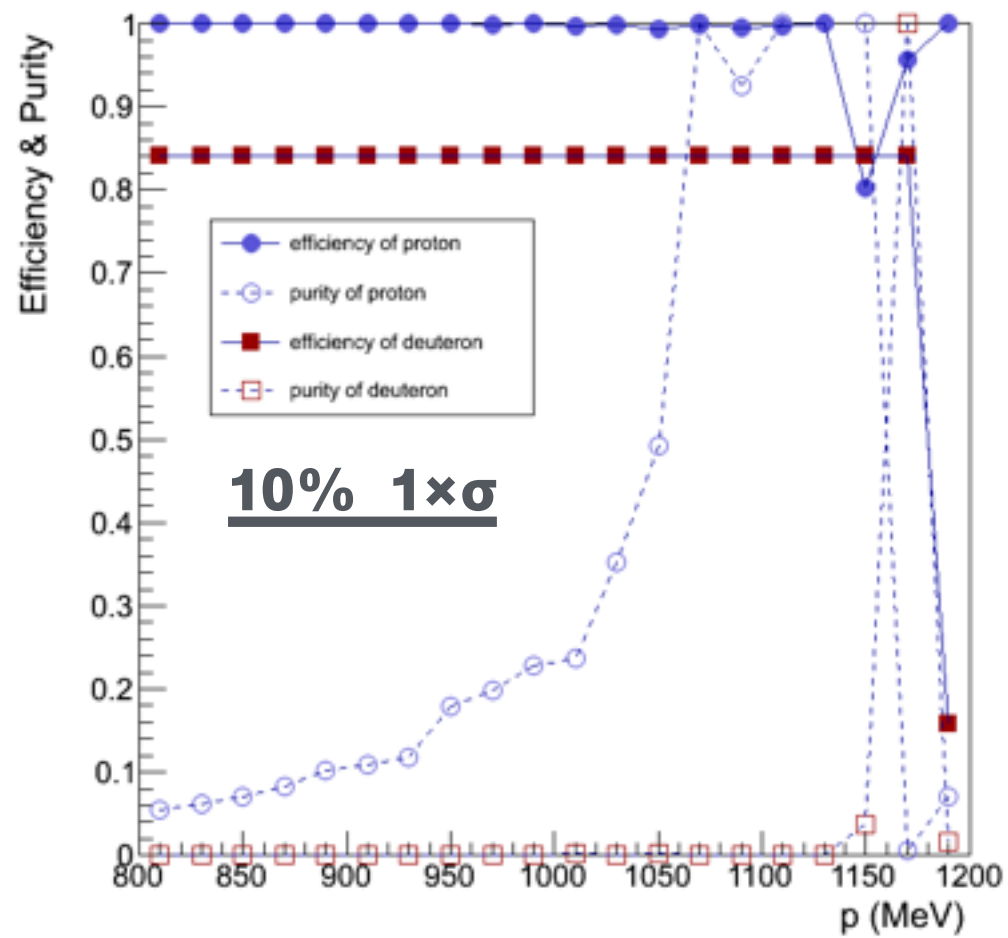
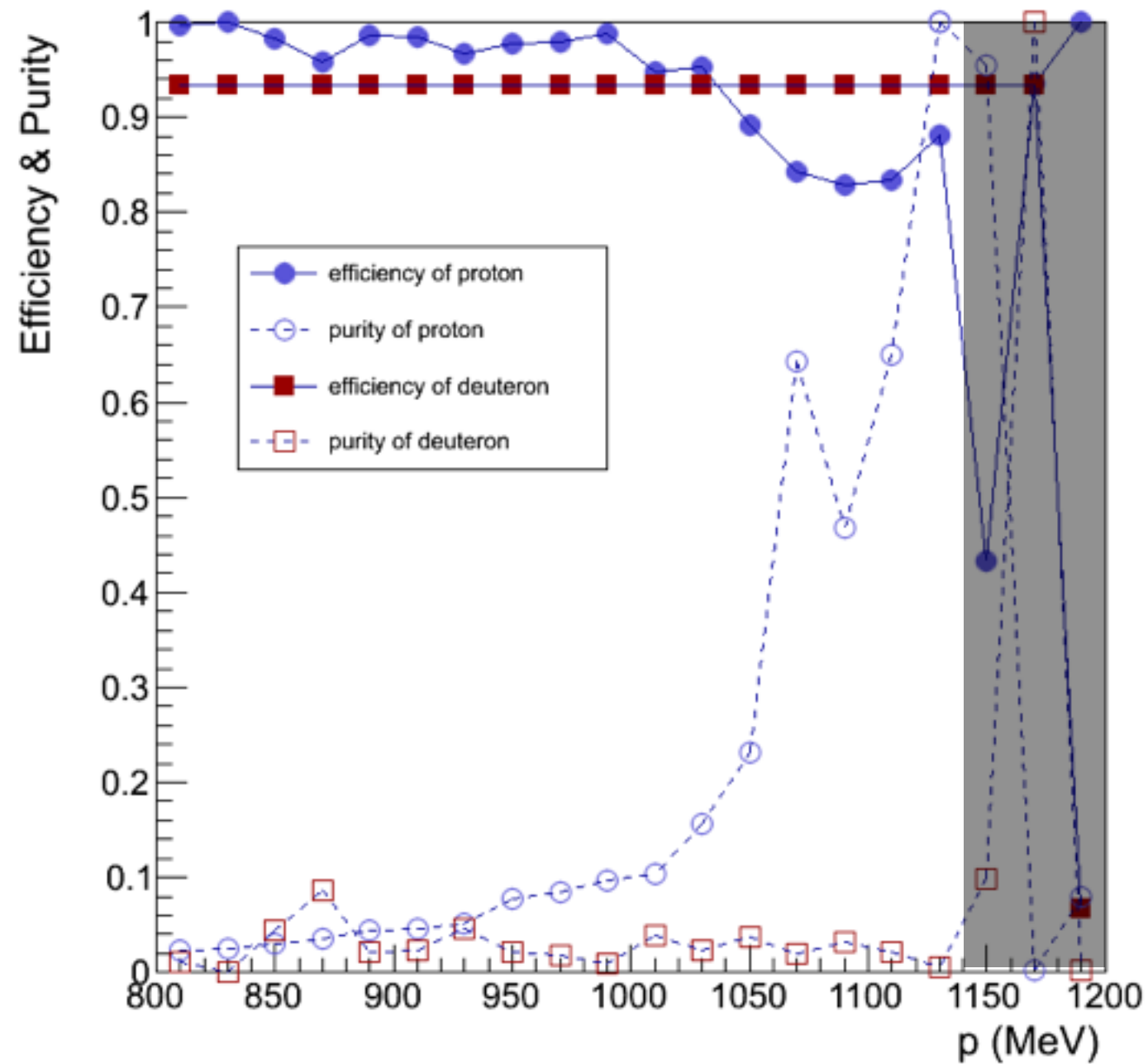


- Efficiency = $\textcircled{2} / \textcircled{1}$
- Purity = $\textcircled{3} / \textcircled{2}$



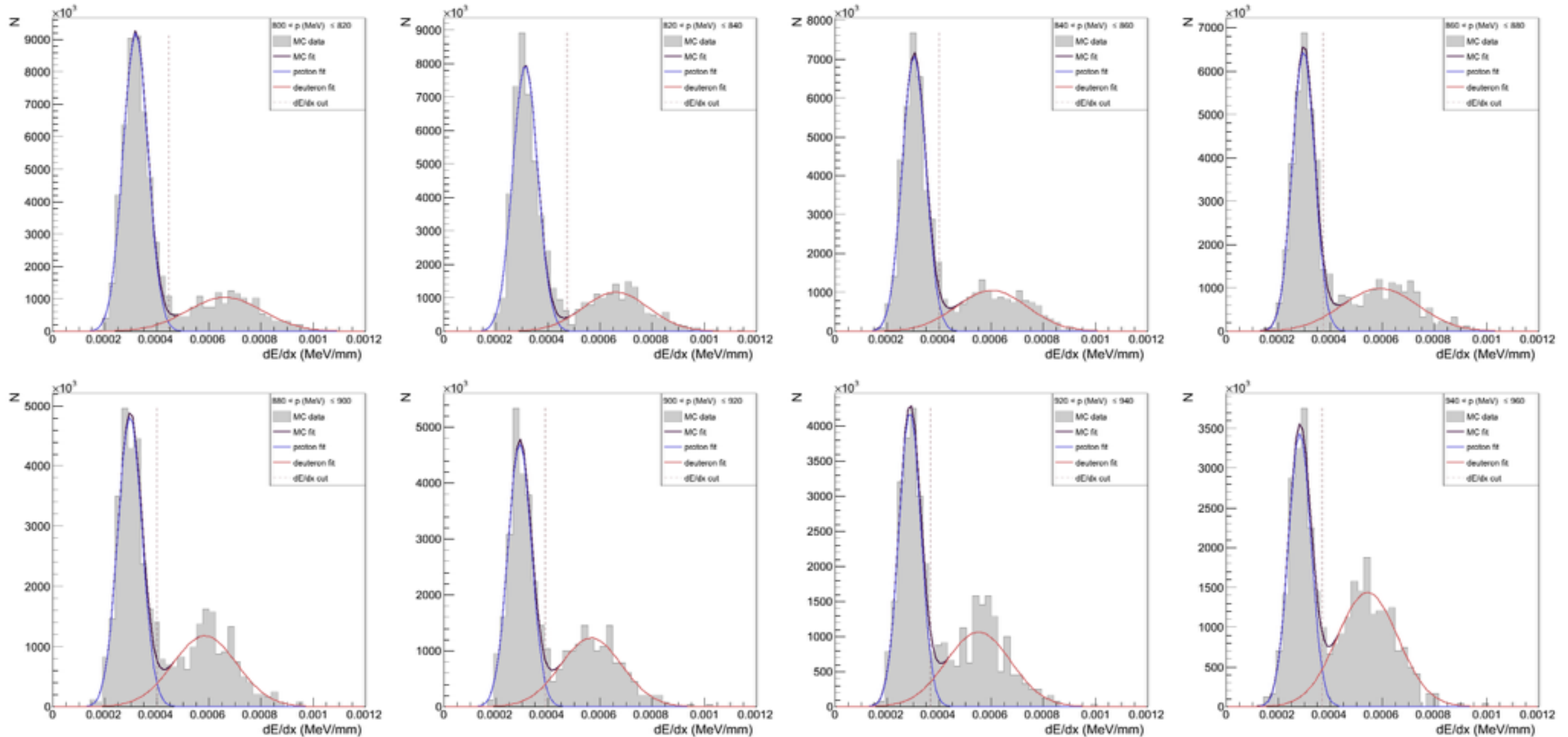
Efficiency and Purity

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



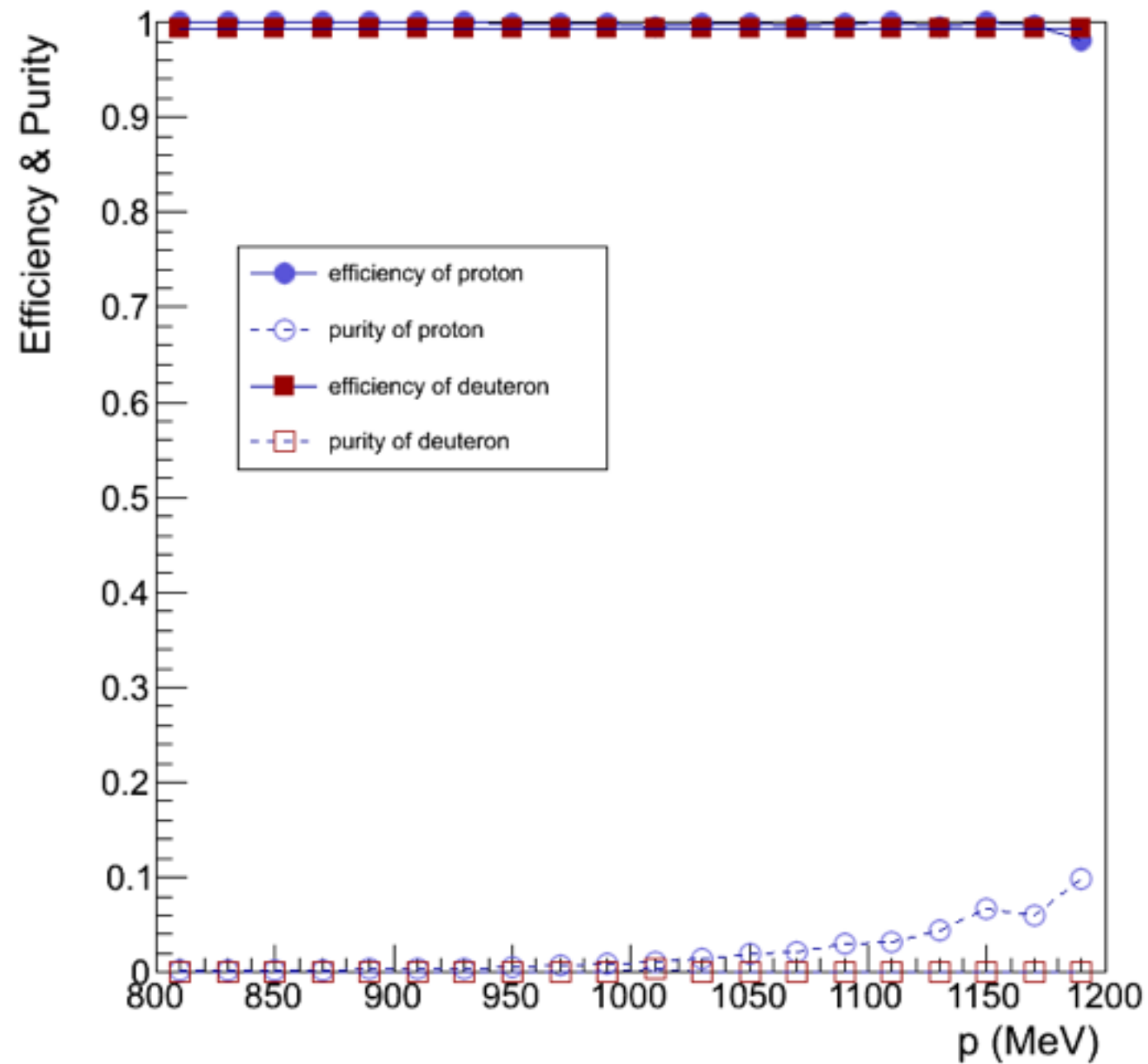
dE/dx Distribution

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



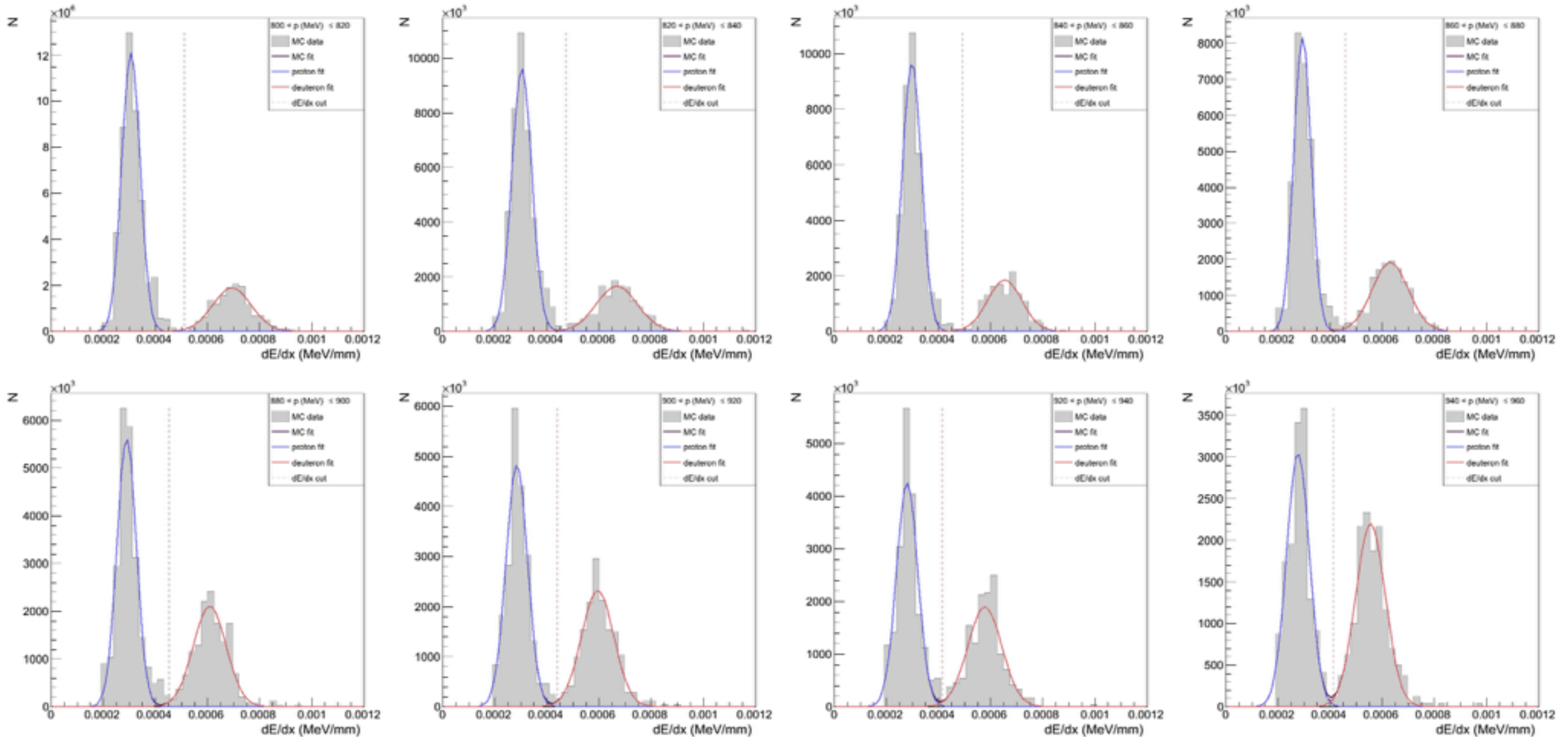
Efficiency and Purity

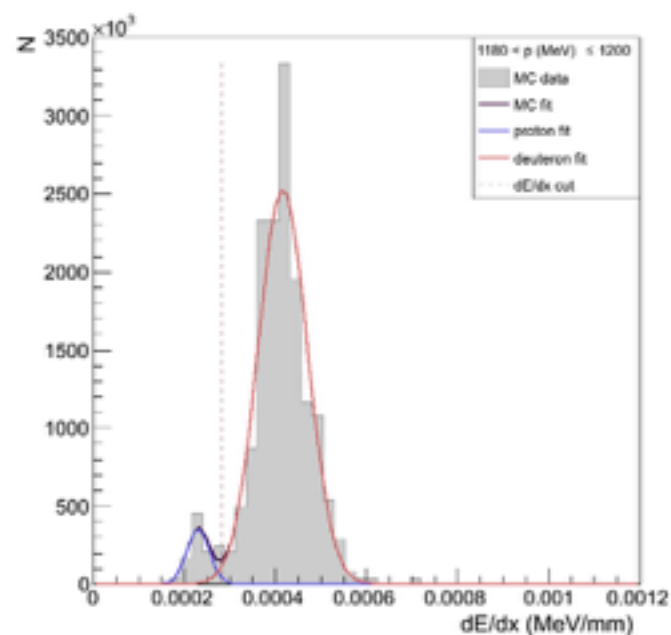
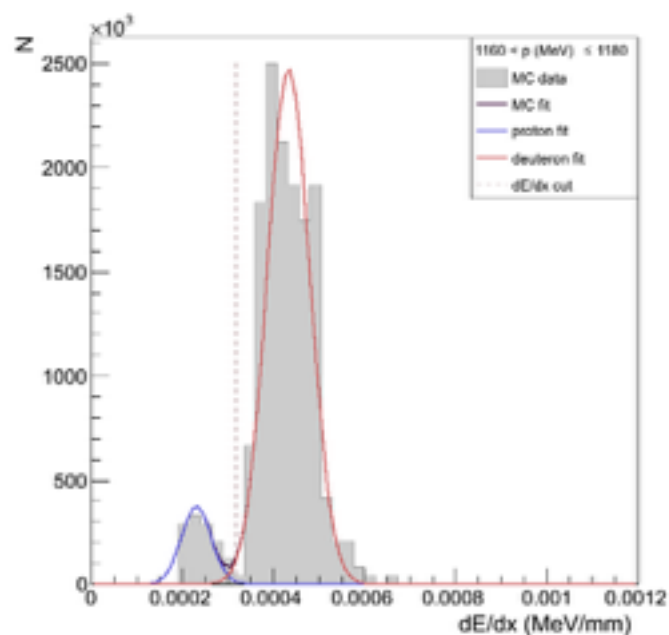
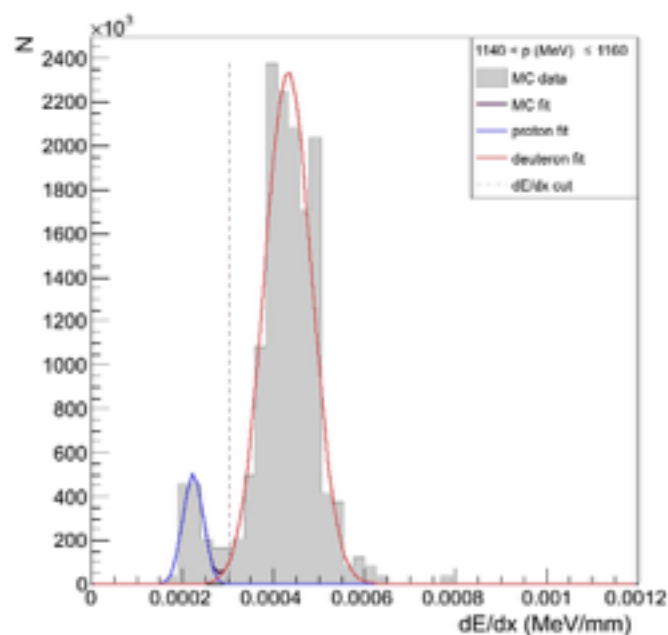
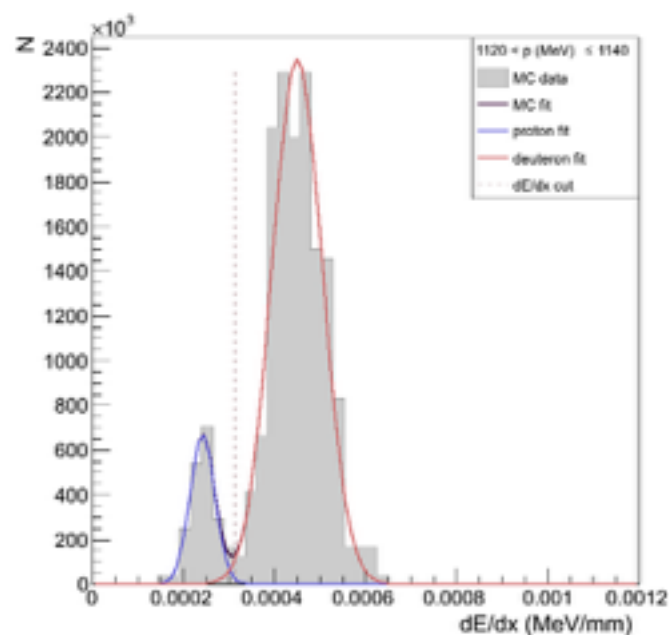
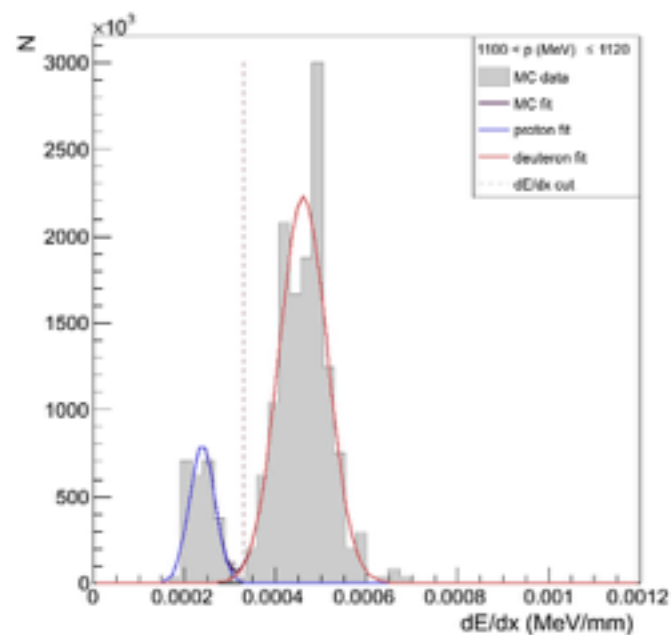
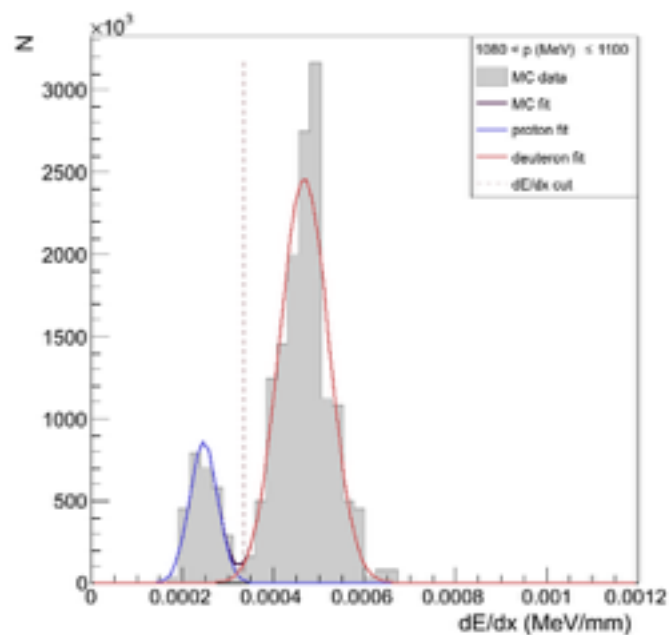
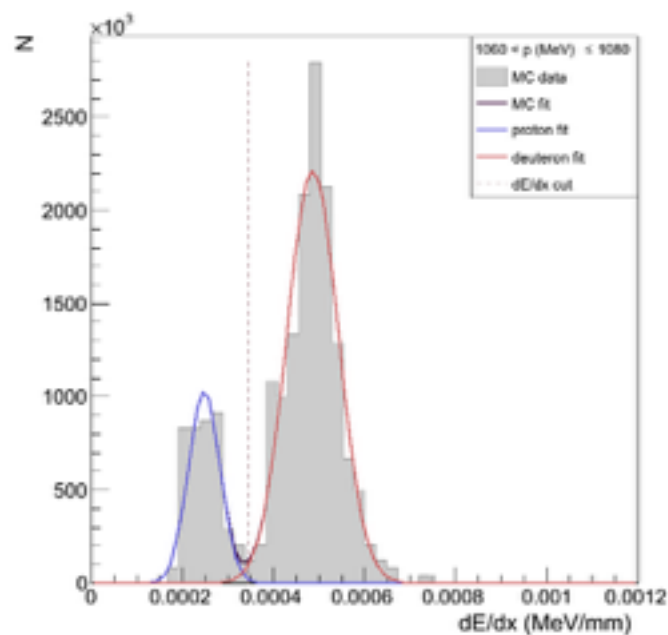
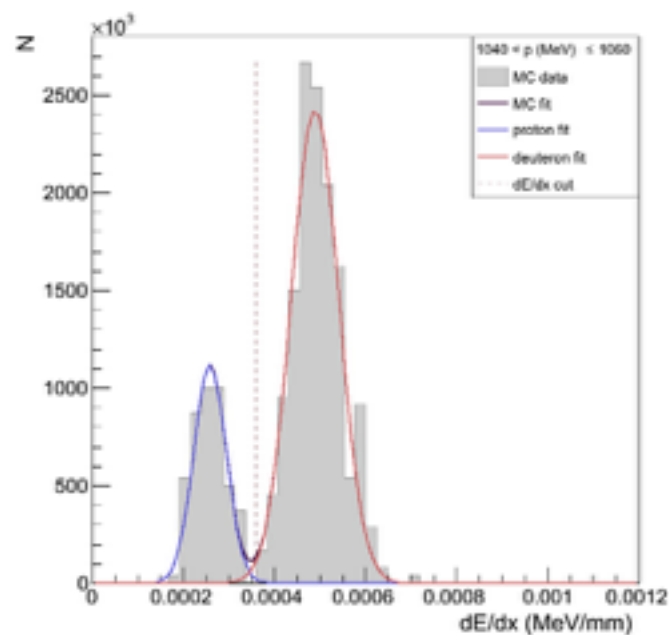
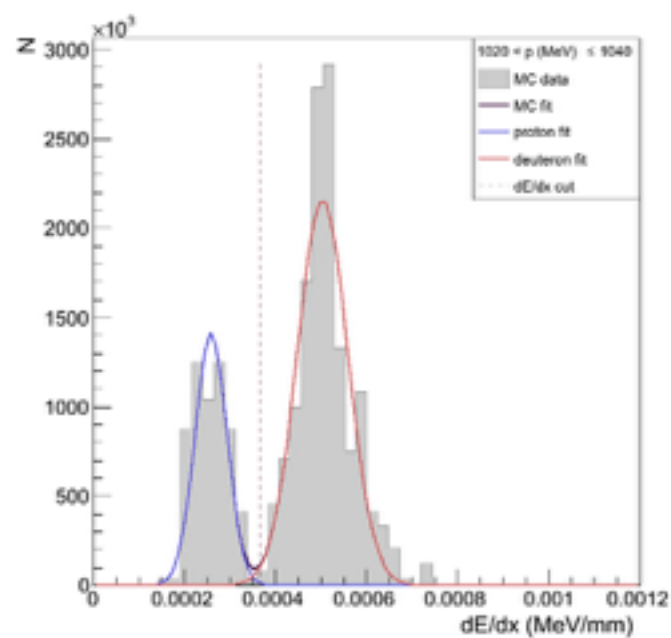
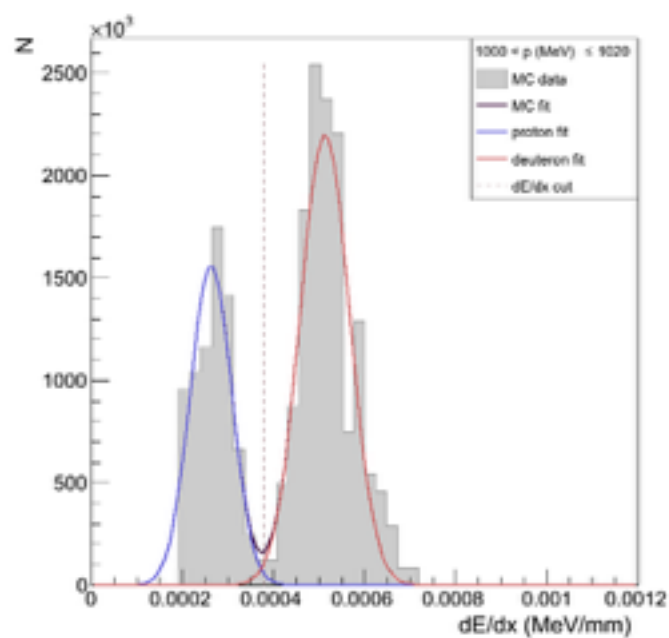
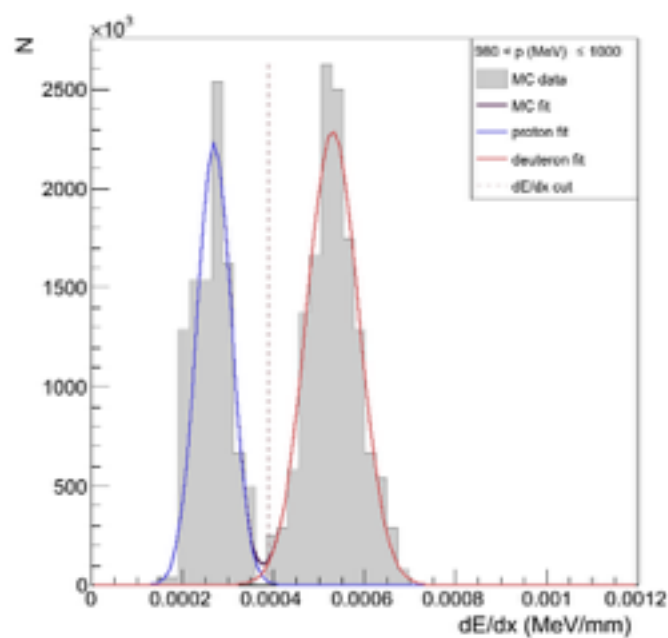
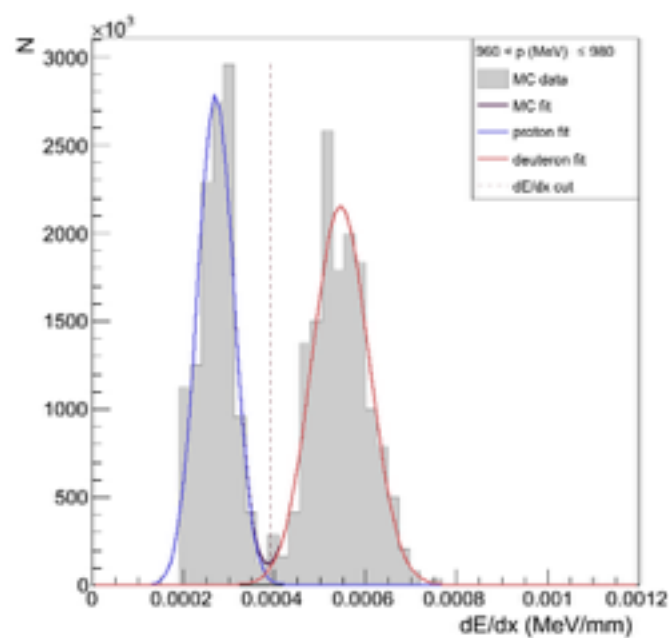
dE/dx resolution : 5 % | p resolution : 5 % | dE/dx cut : $\text{mean}_{\text{deuteron}} - 2.5\sigma$



dE/dx Distribution

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

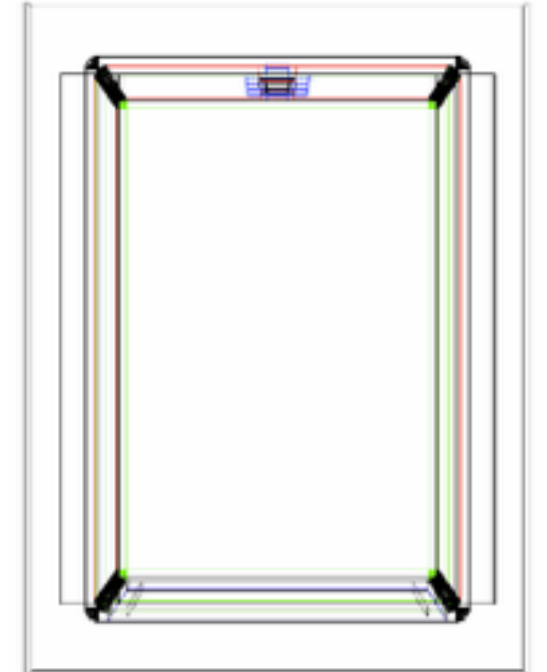
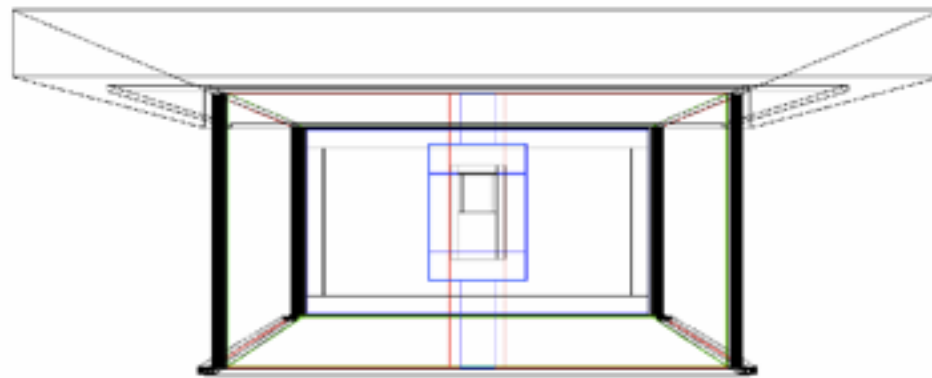




SPIRIT Software

Geometry

Mike



Digitization

Frobi (Me?)

“Leave comments on code
and share with other members”

Reconstruction

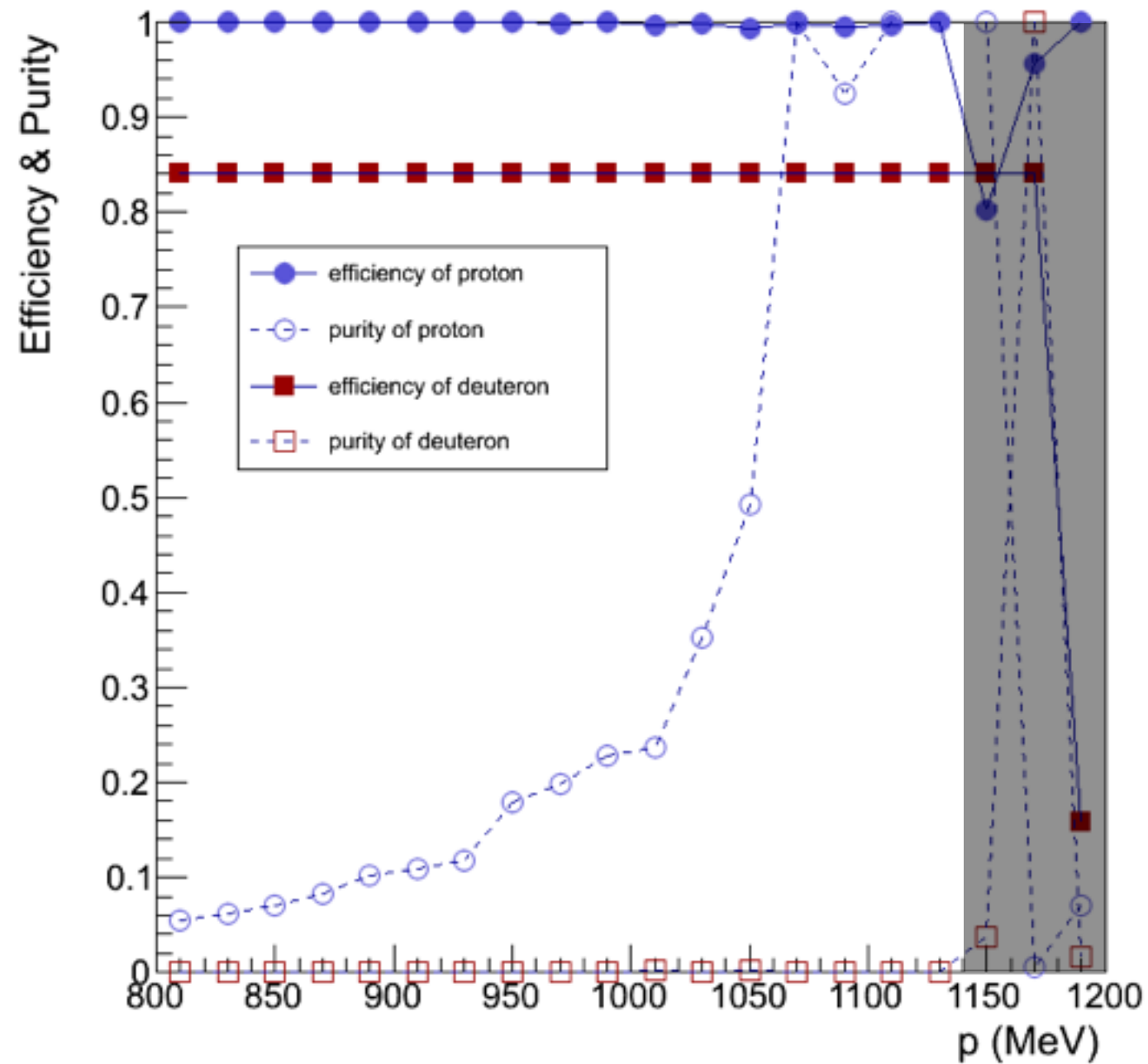
Genie

BACKUP



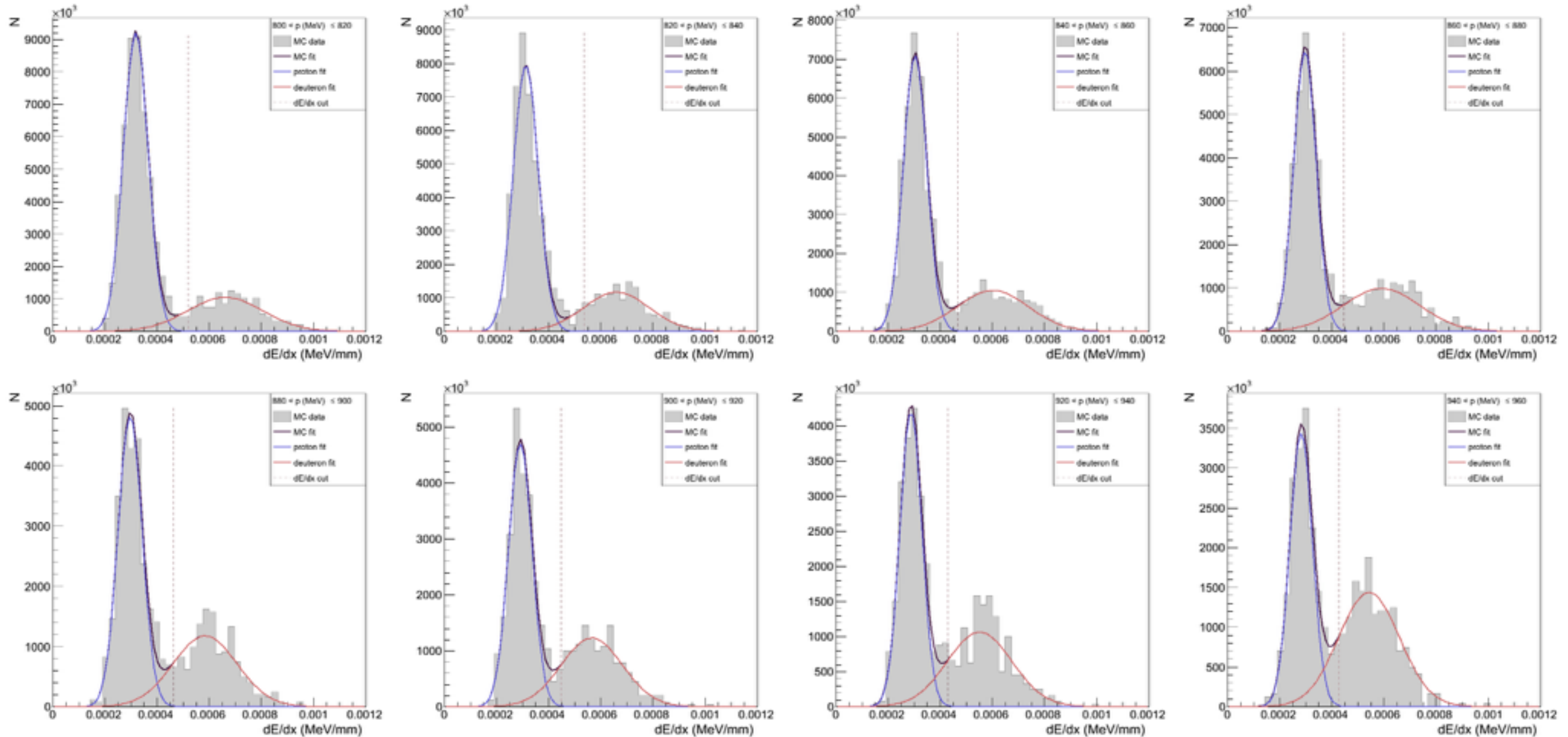
Efficiency and Purity

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



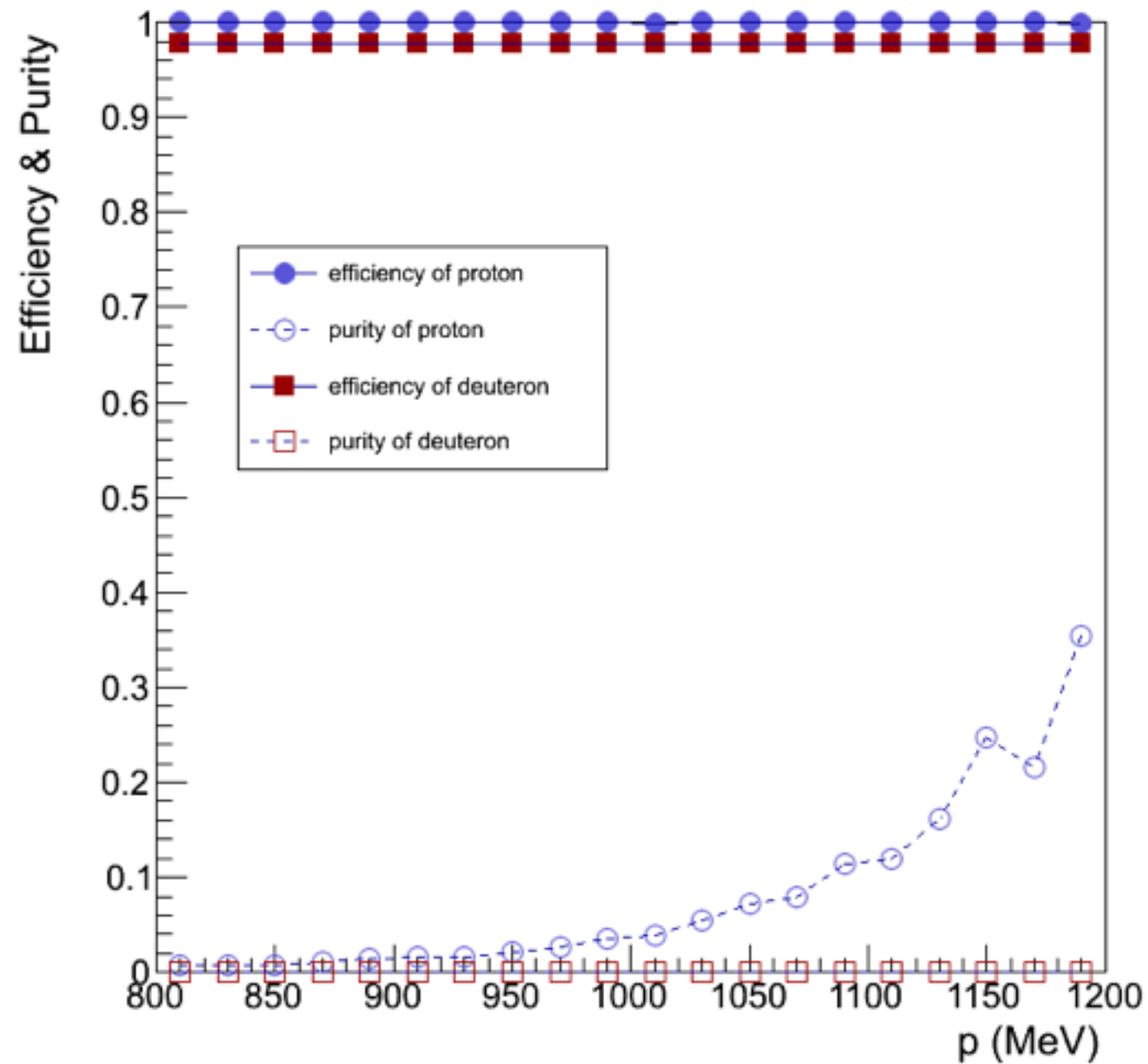
dE/dx Distribution

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 : $\text{mean}_{\text{deuteron}} - 2\sigma$

