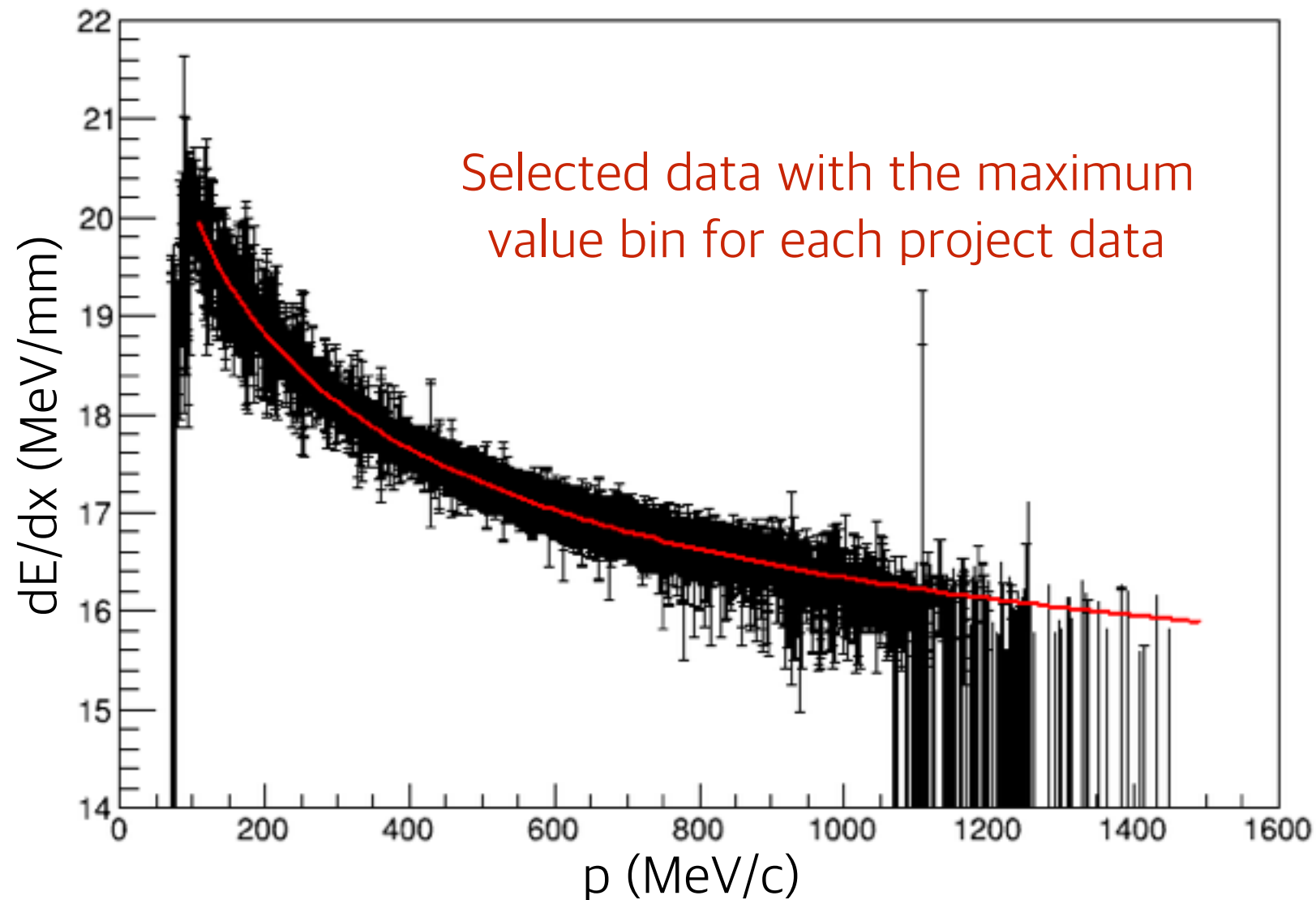


15.11.13 Group Meeting

Byul Moon

Proton Mass

- ProjectY Data

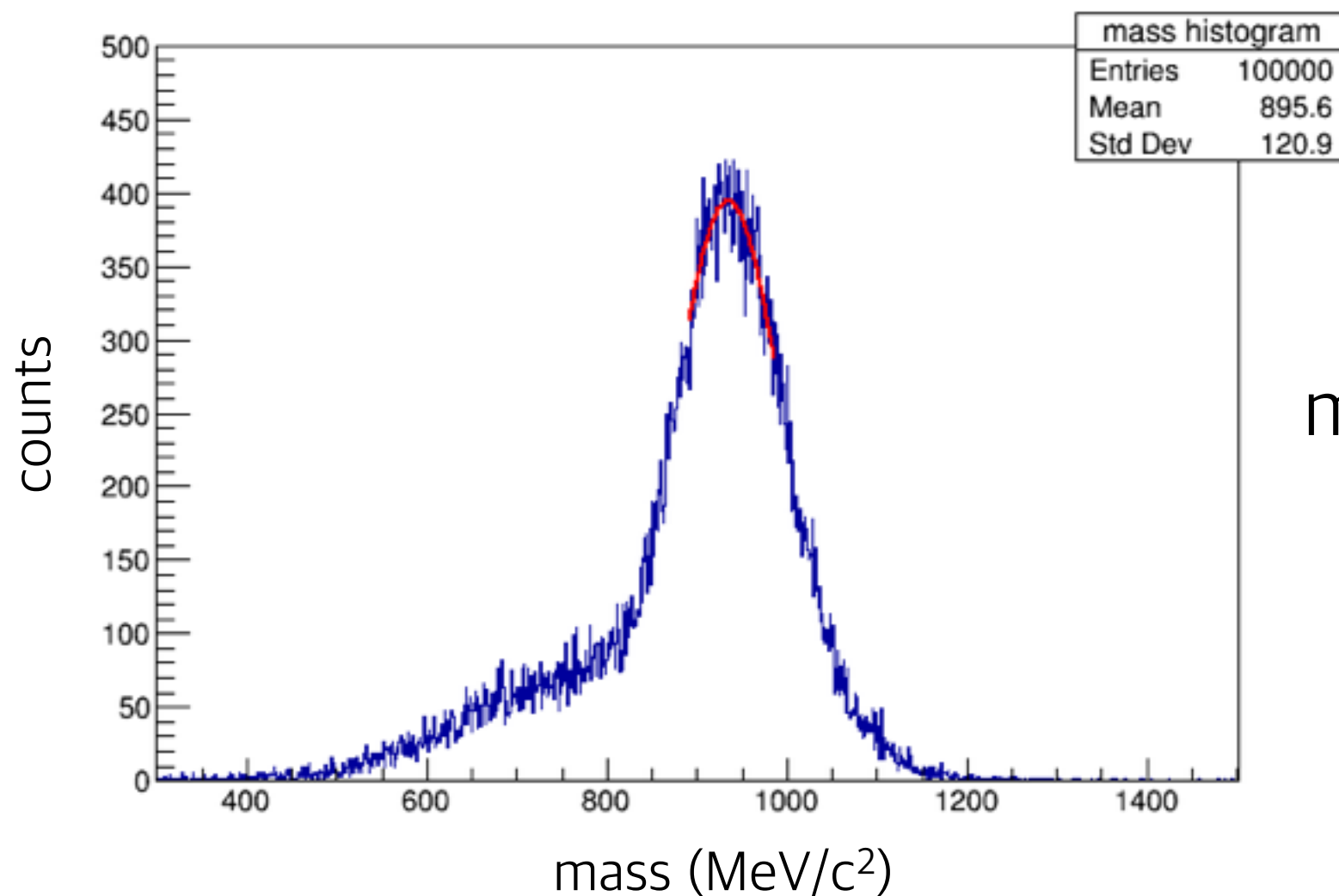


Using parameterized
Bethe-Bloch Formula

$$\chi^2_{\nu} = 1.06$$

Proton Mass

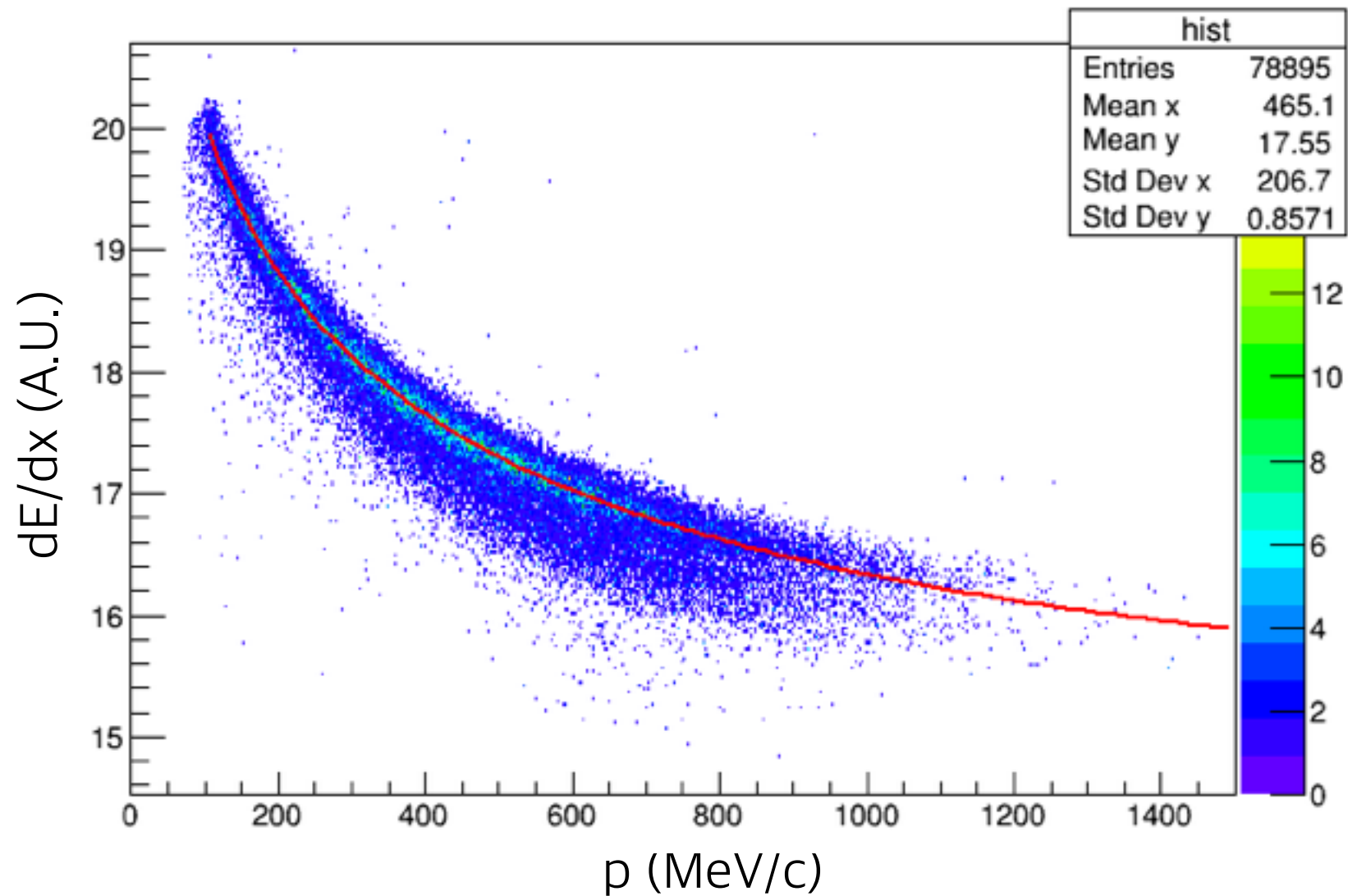
- Invariant Mass Distribution



Fitting with Gaussian
mean : 934.915 ± 0.867
 σ : 64.302 ± 2.135

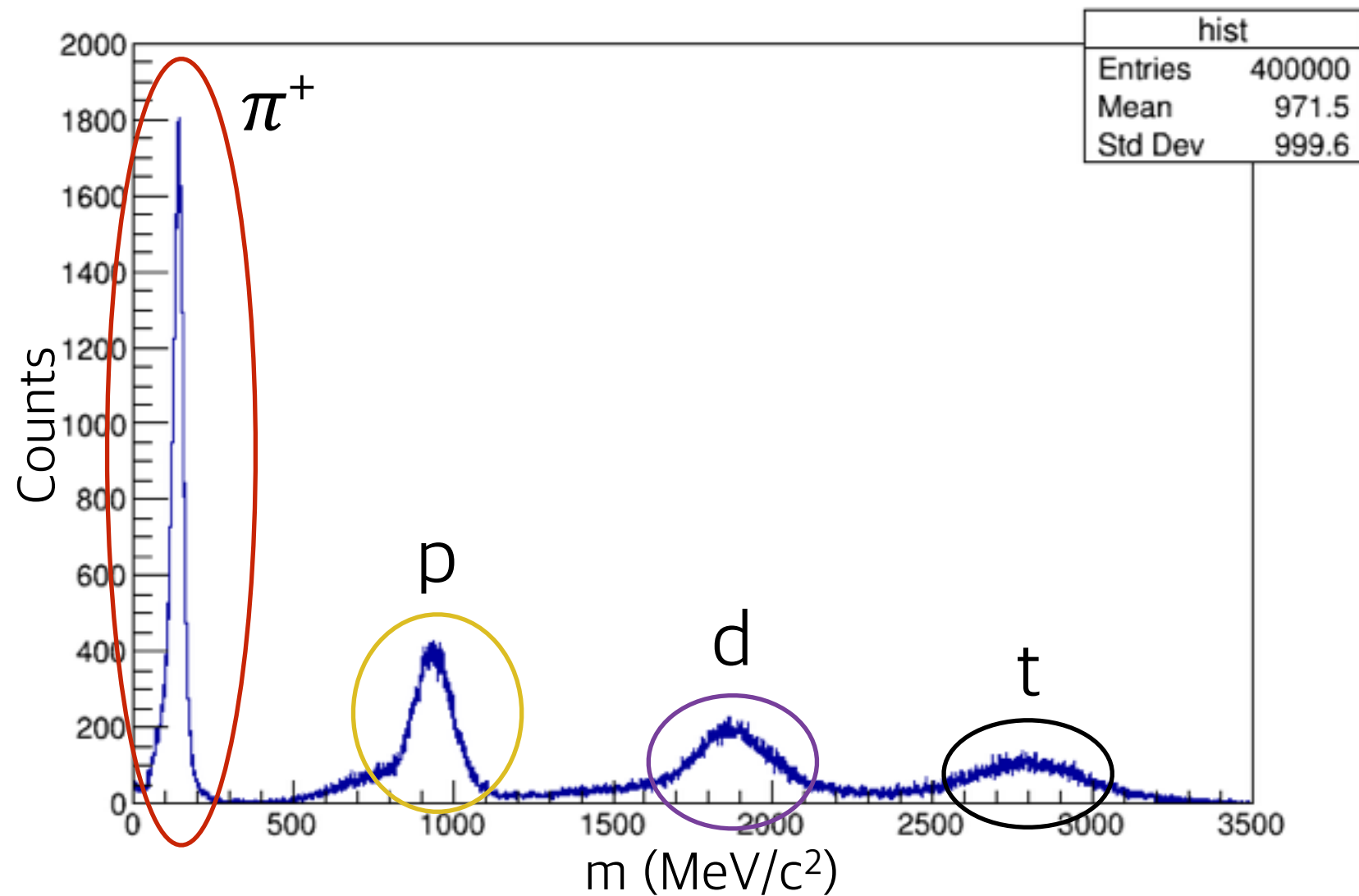
Proton Mass

- Momentum vs. dE/dx 2D Histogram



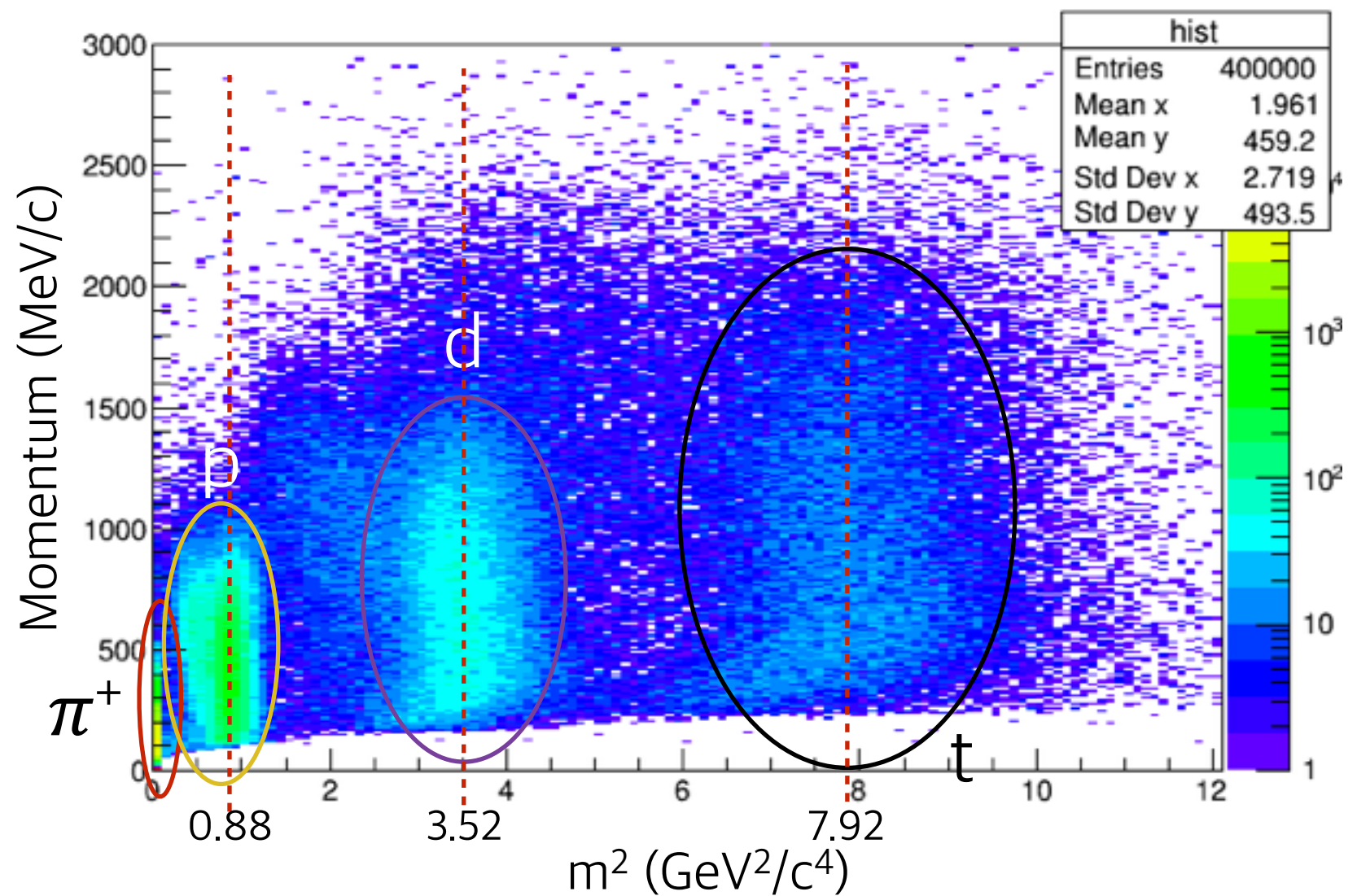
Particle Identification

- Mass Distribution



Particle Identification

- Mass Distribution



Particle Identification

- Mass Distribution

