



中国科学技术大学
University of Science and Technology of China

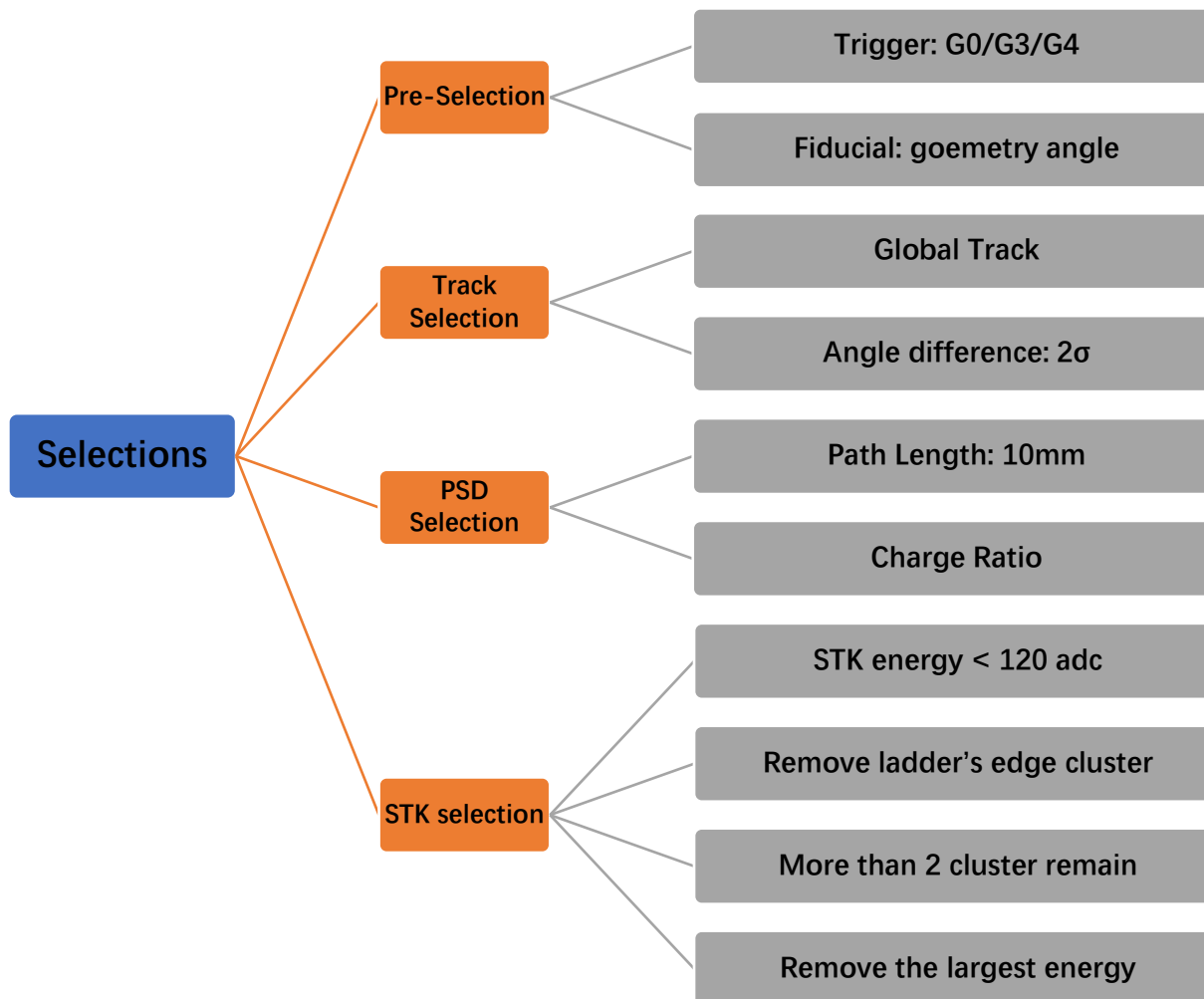
LightFCP

Rong Yi

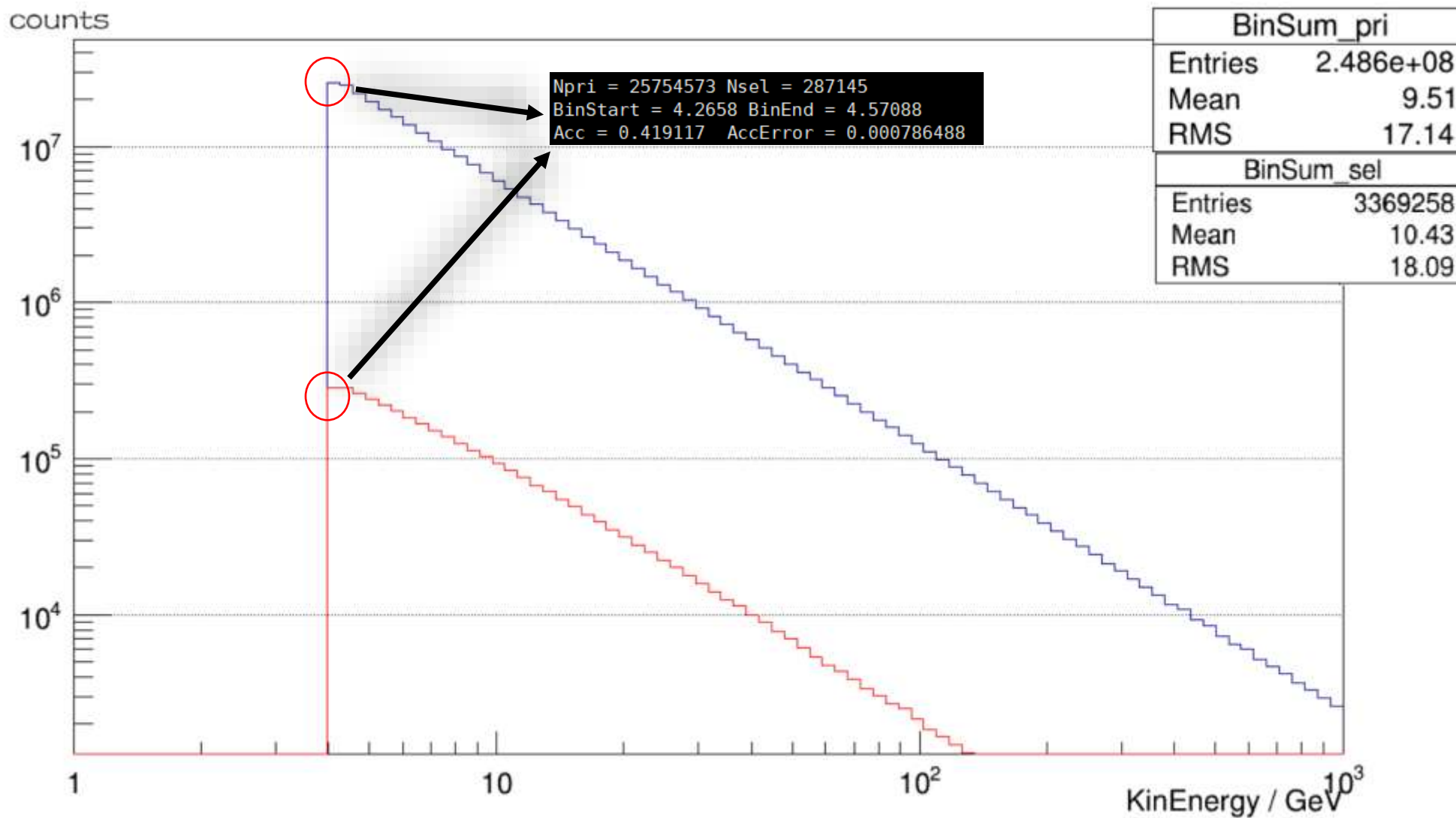
2024/08/28

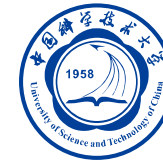


Selections



Entries





Acceptance

- Half sphere

$$Acc = \frac{N_{sel}}{N_{pri}} \times 2 \times \pi^2 \times a^2 \text{ (a means radius)}$$

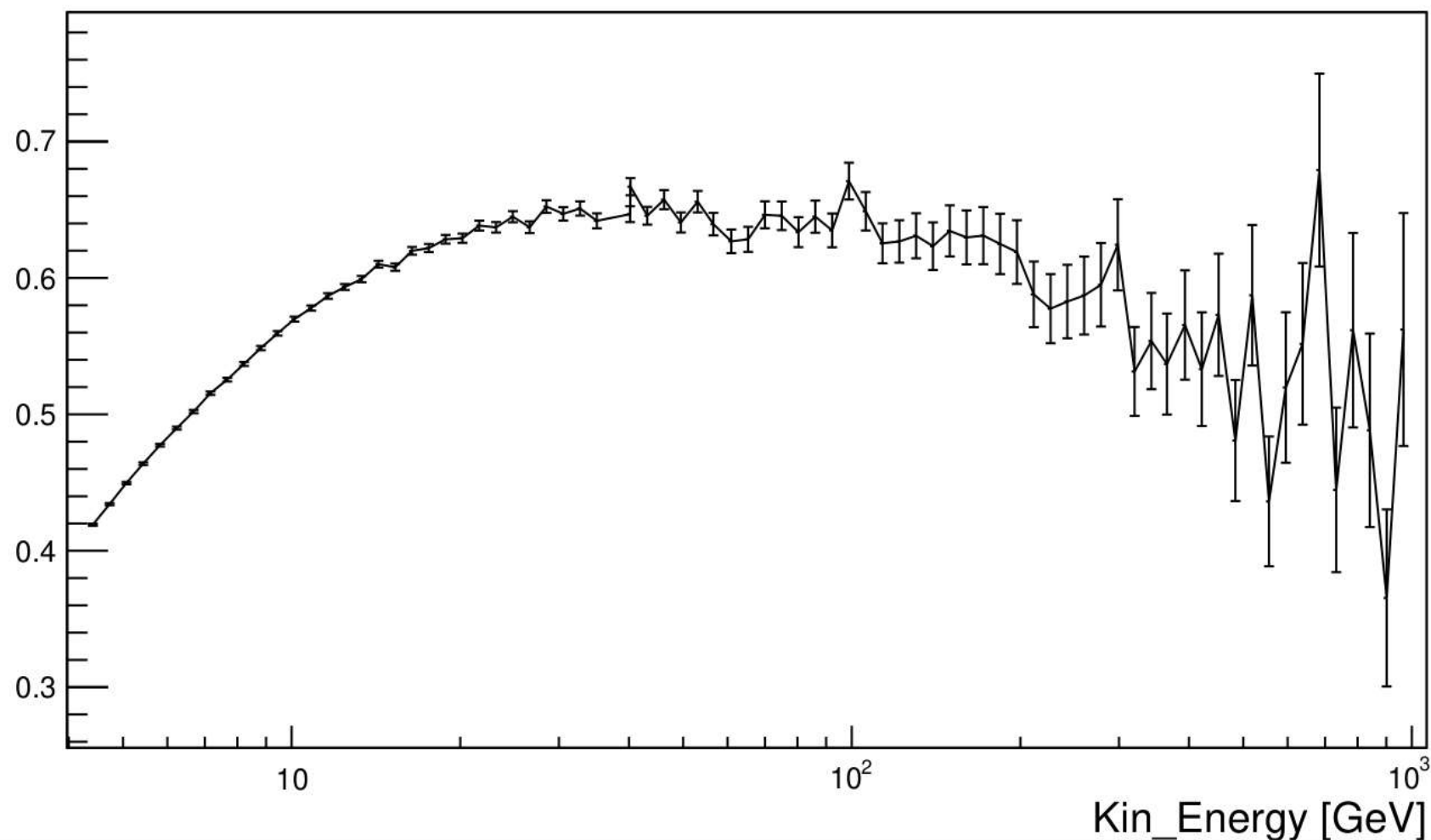
$$\pi = 3.14; a = 1.38 \text{ m.}$$

- Example

```
Npri = 25754573 Nsel = 287145  
BinStart = 4.2658 BinEnd = 4.57088  
Acc = 0.419117 AccError = 0.000786488
```

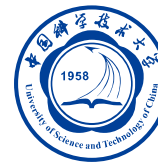


Acceptance (4GeV~1TeV)



Total Entries = 248600000 Selected Entries = 3369258
Acc of total entries = 0.509473 AccError of total entries = 0.000279433

Confusions



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Unit: mm

