

12th MCnet Summer School

Group 6:

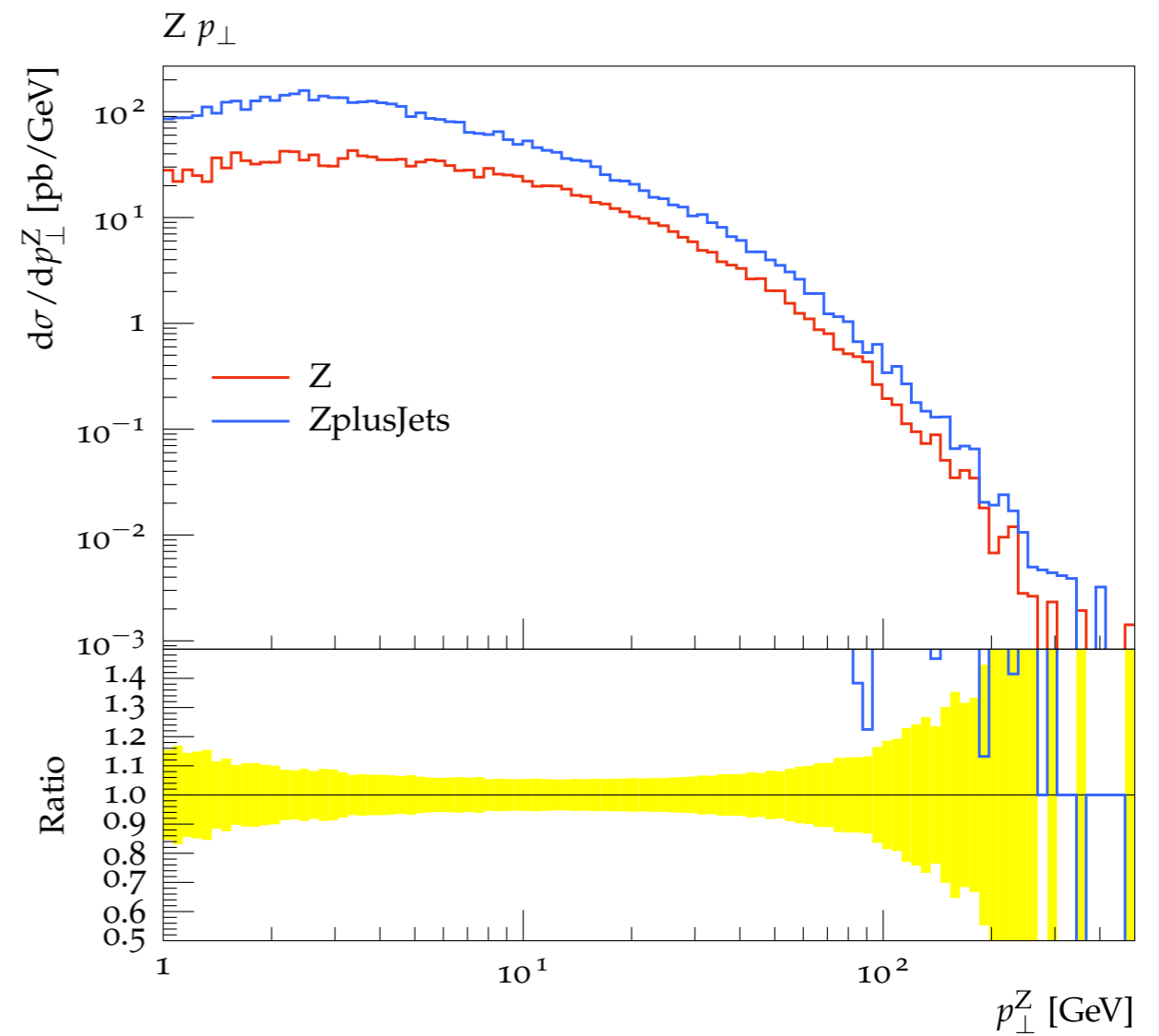
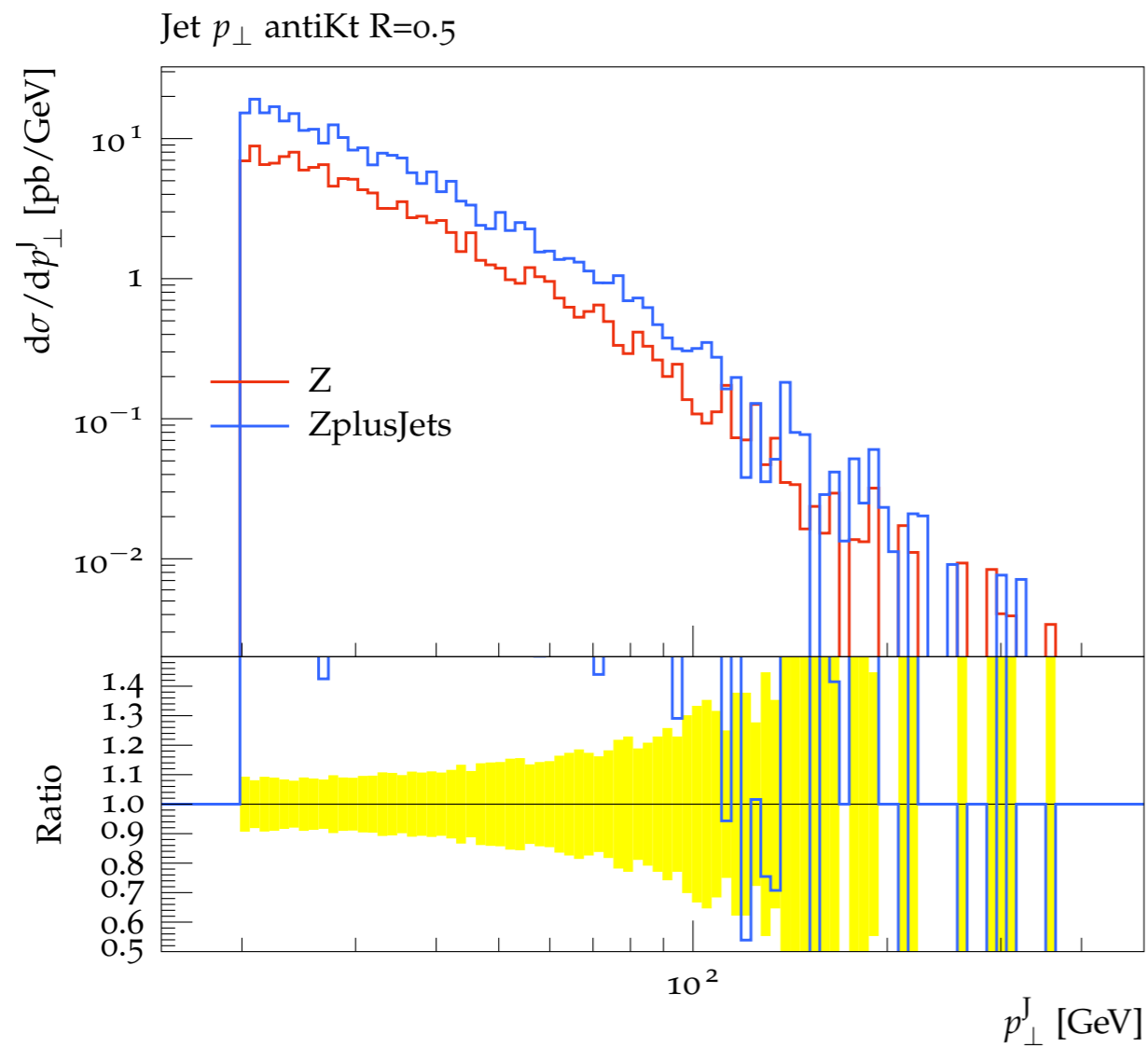
- Florencia Daneri
- Elham E Khoda
- Simon Lemcke
- Abhaya Kumar Swain

27th July 2018

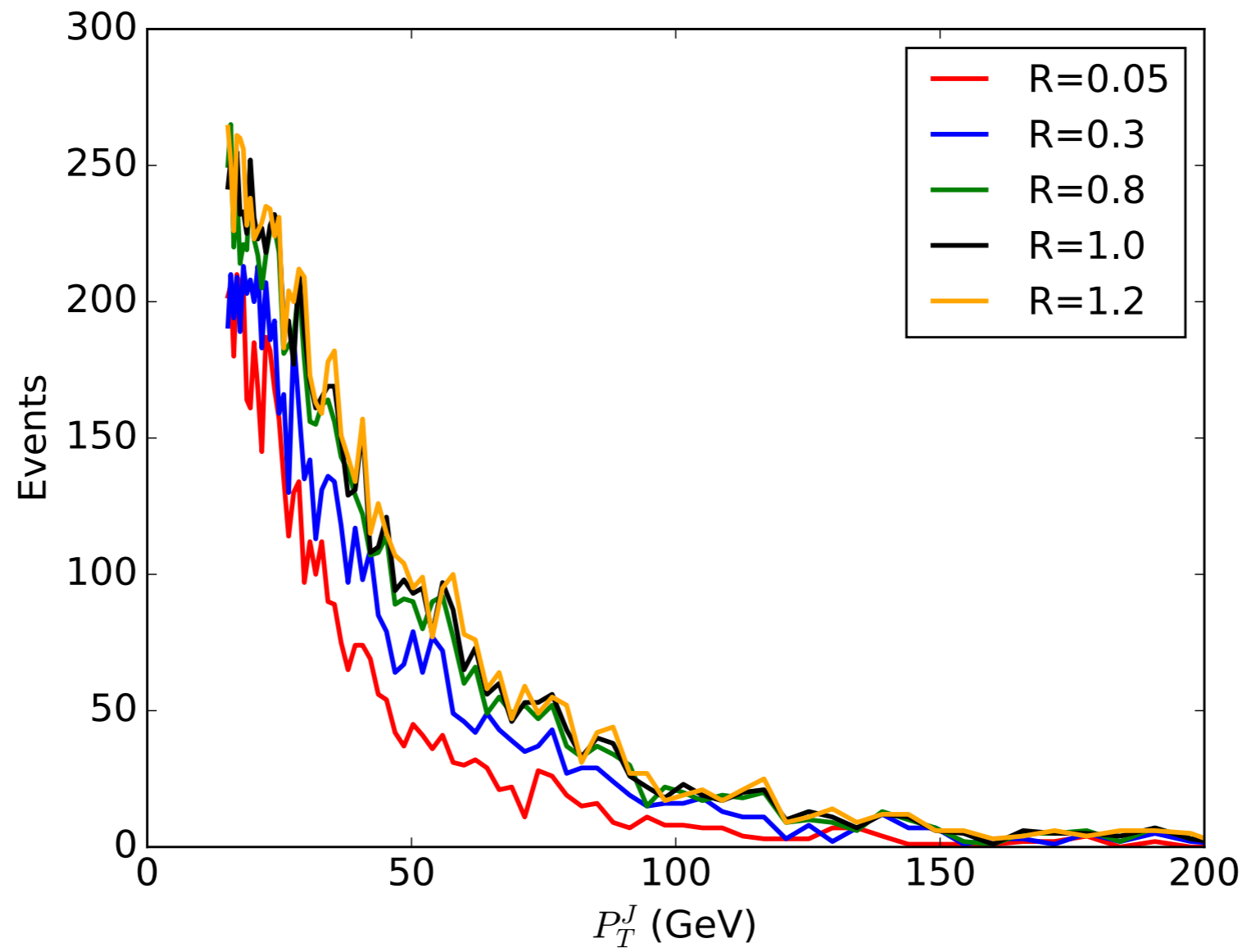


MC Generators

Pythia was used to produce events of **Z** and **Z+jet**

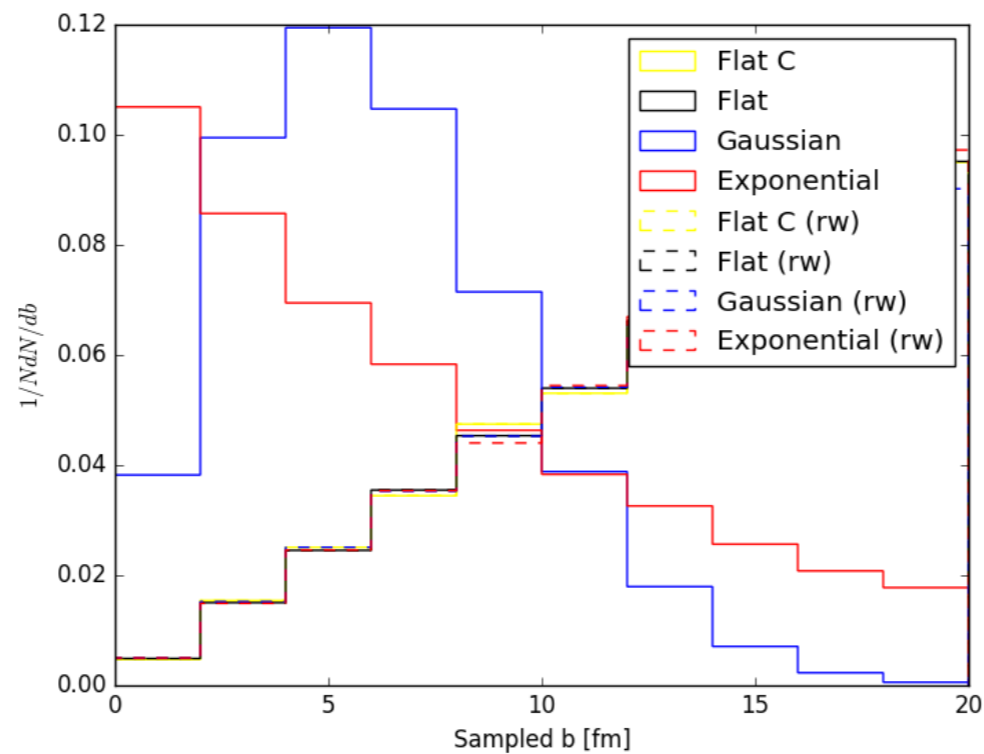
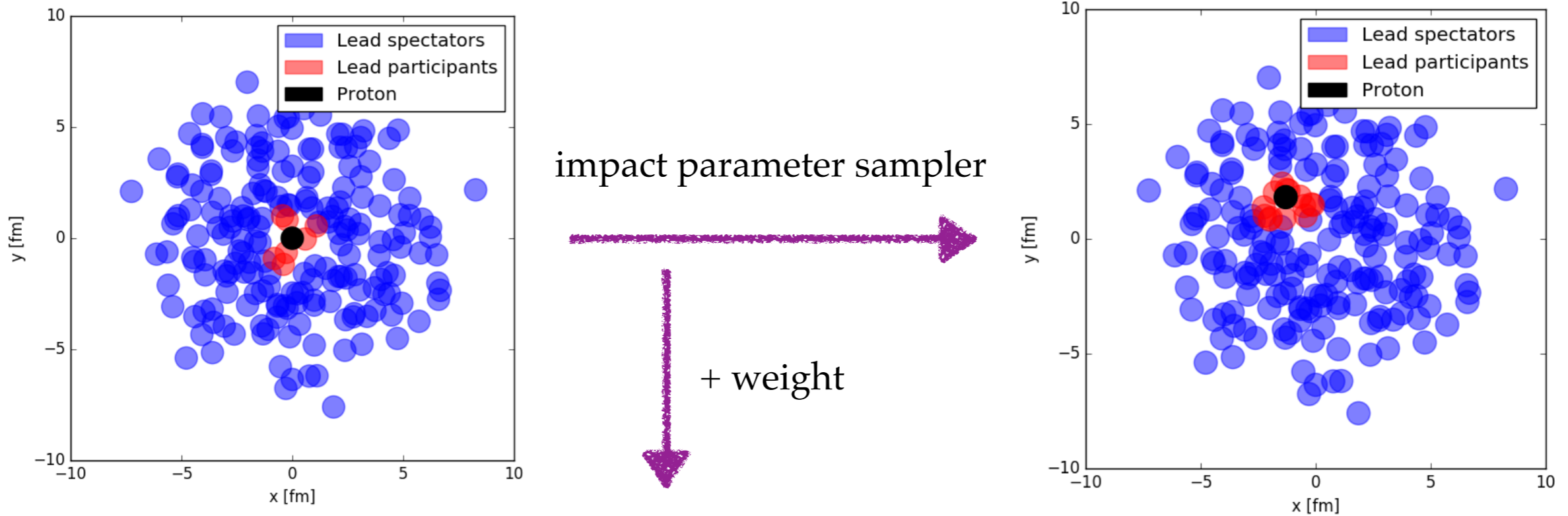


Different radii were studied



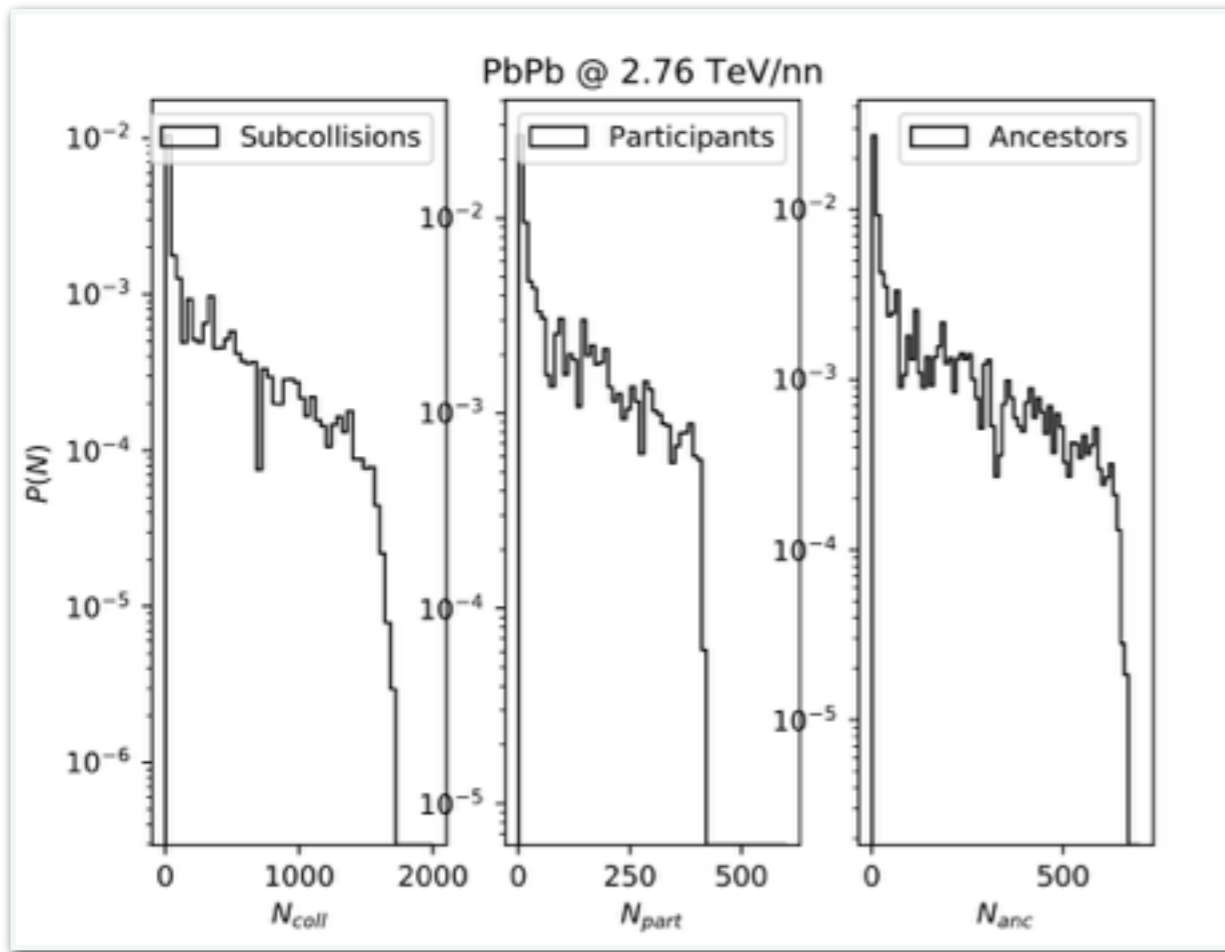
Heavy Ion Collisions

- Glauber calculation



Heavy Ion Collisions

- Centrality



$$N_a = \alpha N_{part} + (1 - \alpha) N_{coll}.$$

centrality $\sim \sum E_{\perp}$

