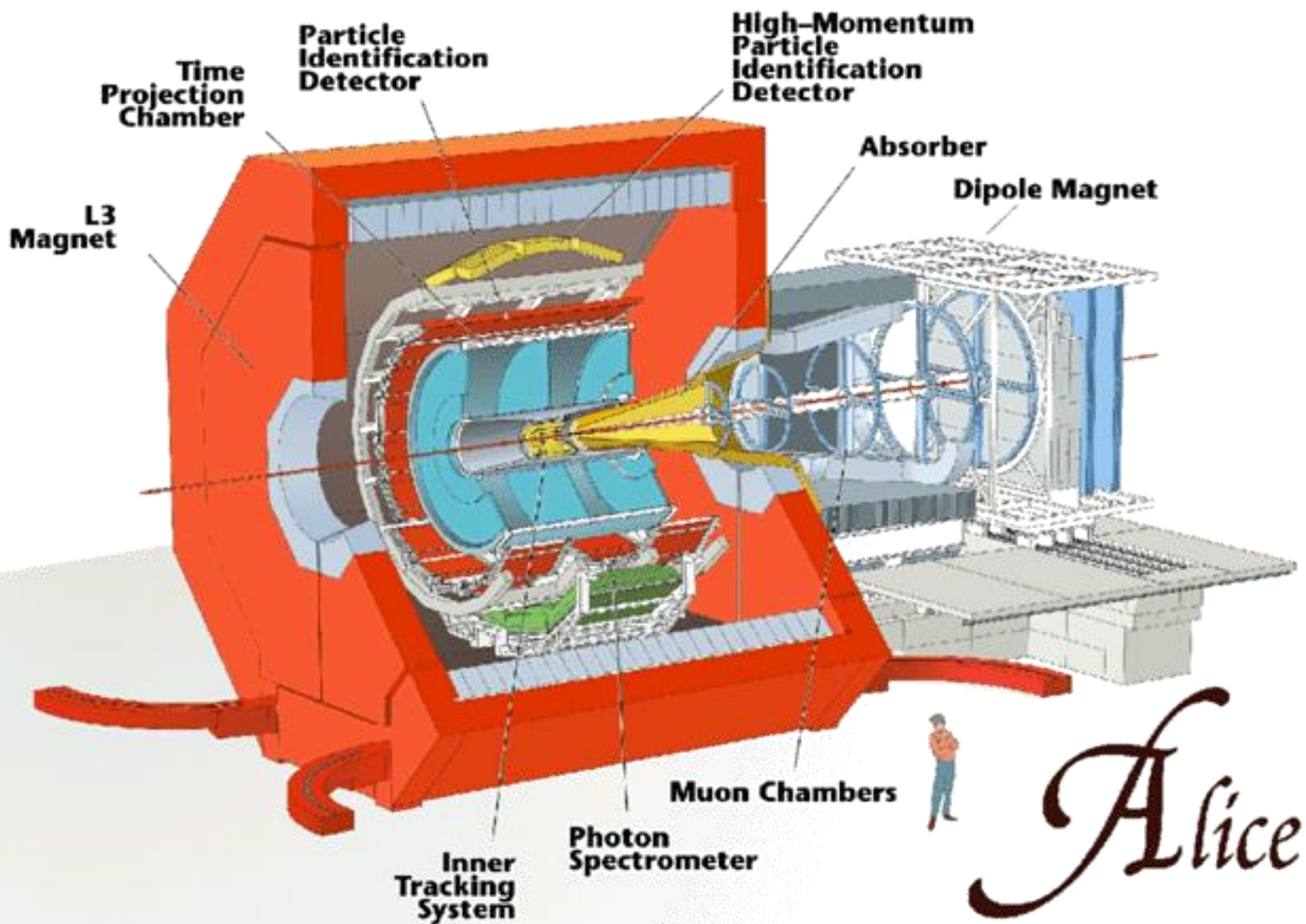


A Toy Model of Heavy Ion Collisions

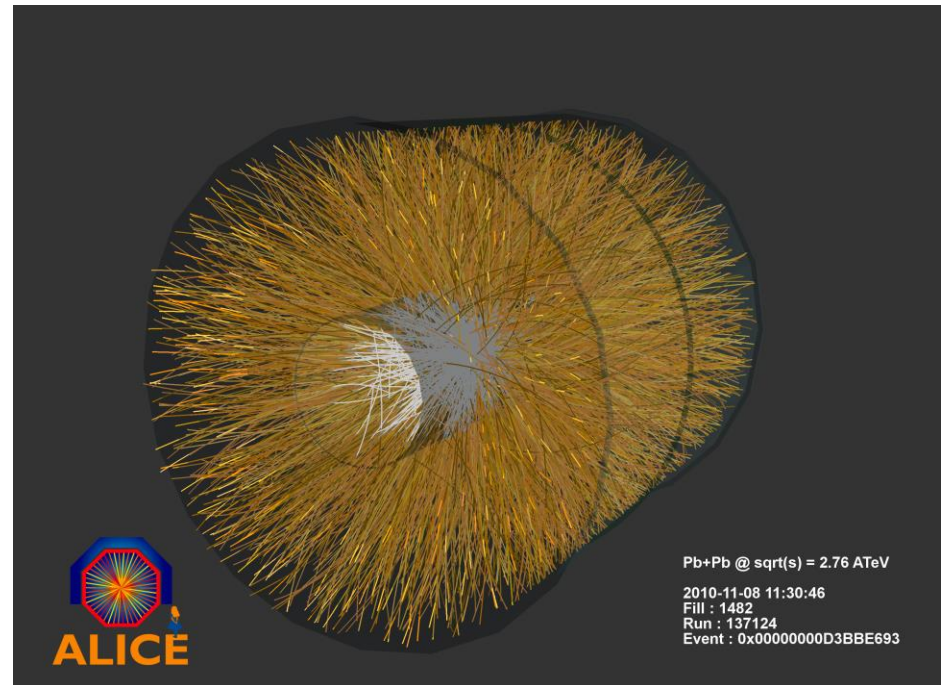
Aditya Parikh

7/2/2015



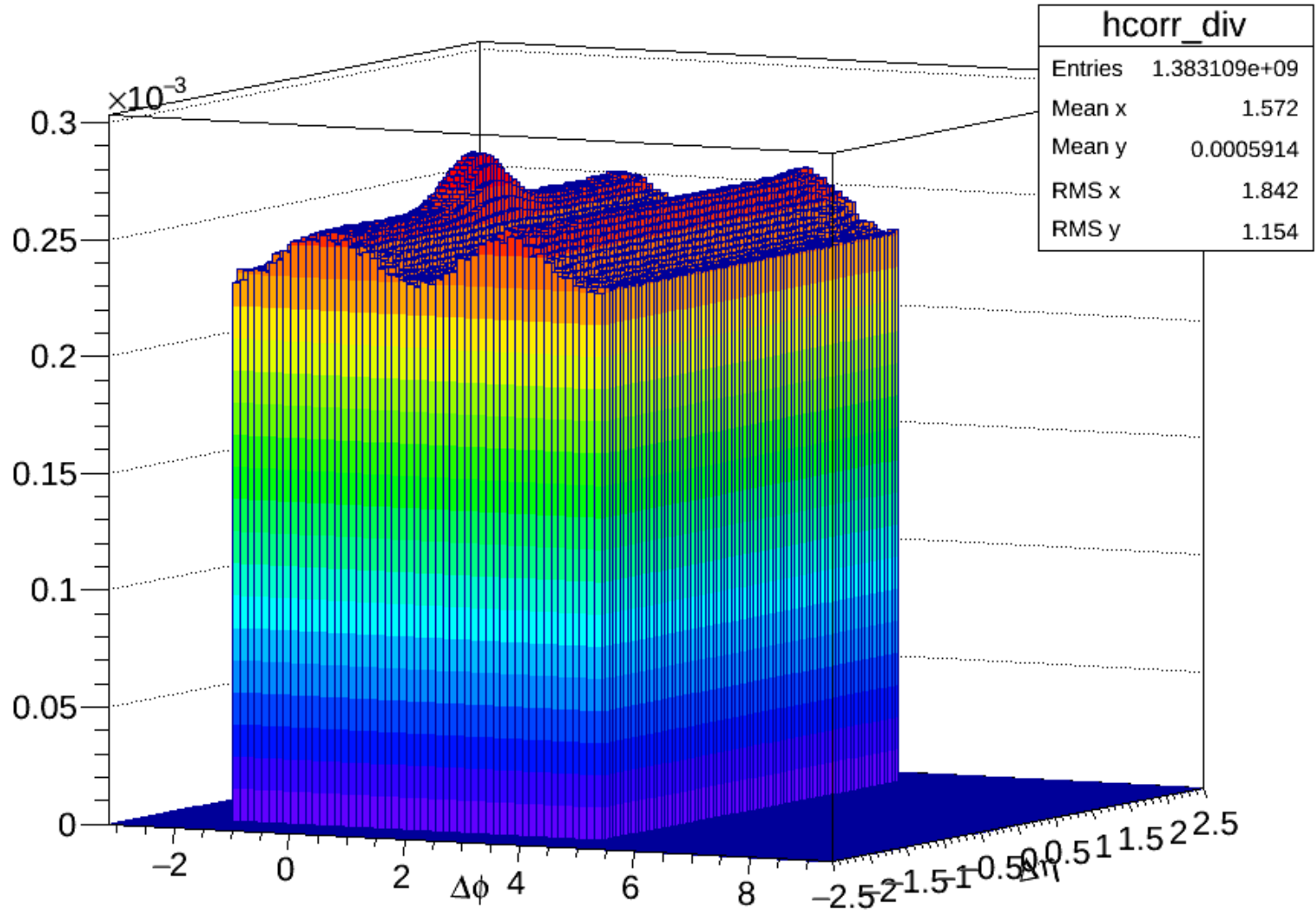
Heavy Ion Collisions

- Inherently messy with high particle multiplicities
- Fundamental probe of QCD and early universe cosmology



2 Particle Correlations

Same Event/Mixed Event Correlations



v_2 and Flow

- Toy model with lots of knobs
 - Jet Particle Multiplicity
 - Background Particle Multiplicity
 - pT Dependence
 - Centrality Dependence
- Future plan is to reproduce a new feature called “the wings”!

Geneva!

