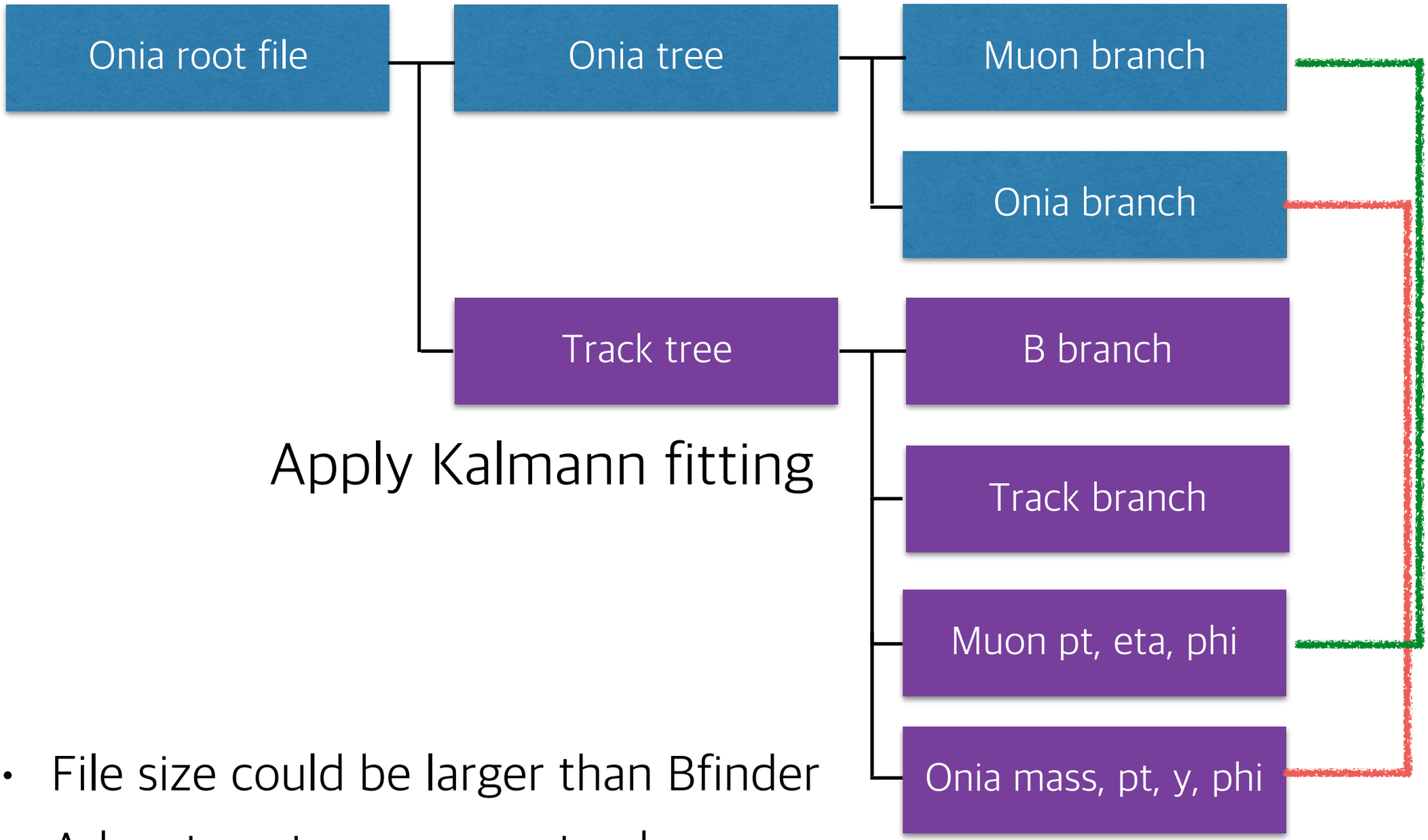
B analyzer status

KiSoo Lee

Track Correlation analyzer



Apply Kalmann fitting

- File size could be larger than Bfinder
- Advantage to use more track information for further study

PbPb B ntuple

- Dataset: /HIOniaL1DoubleMu0/goni-HIOniaL1DoubleMu0_HIRun2015-PromptReco-v1_Run_262548_263757_ONIASKIM_v2-4ae80f1b946771a4fc89a84cec55127c/USER

cuts

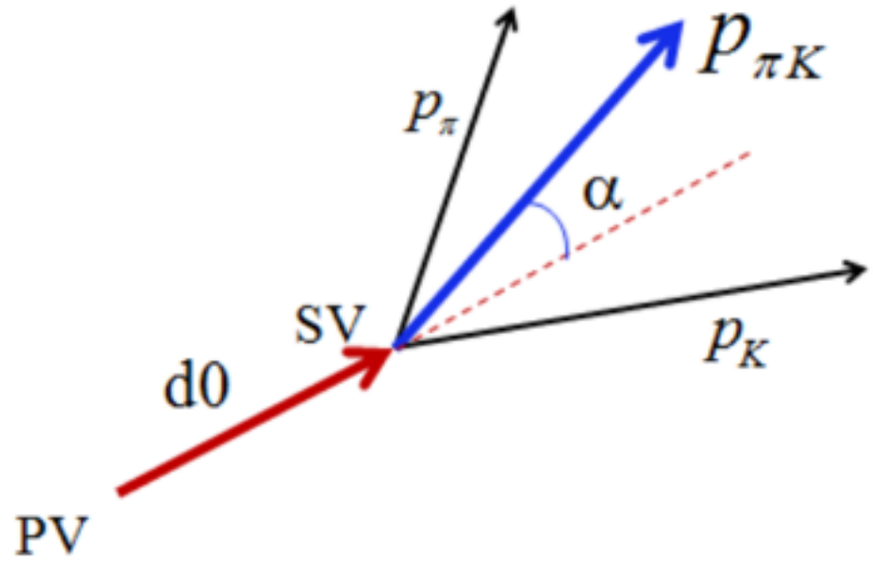
HLT_HIL1DoubleMu0_v1

B chi2 > 0.0132

B d0/d0Err > 3.41

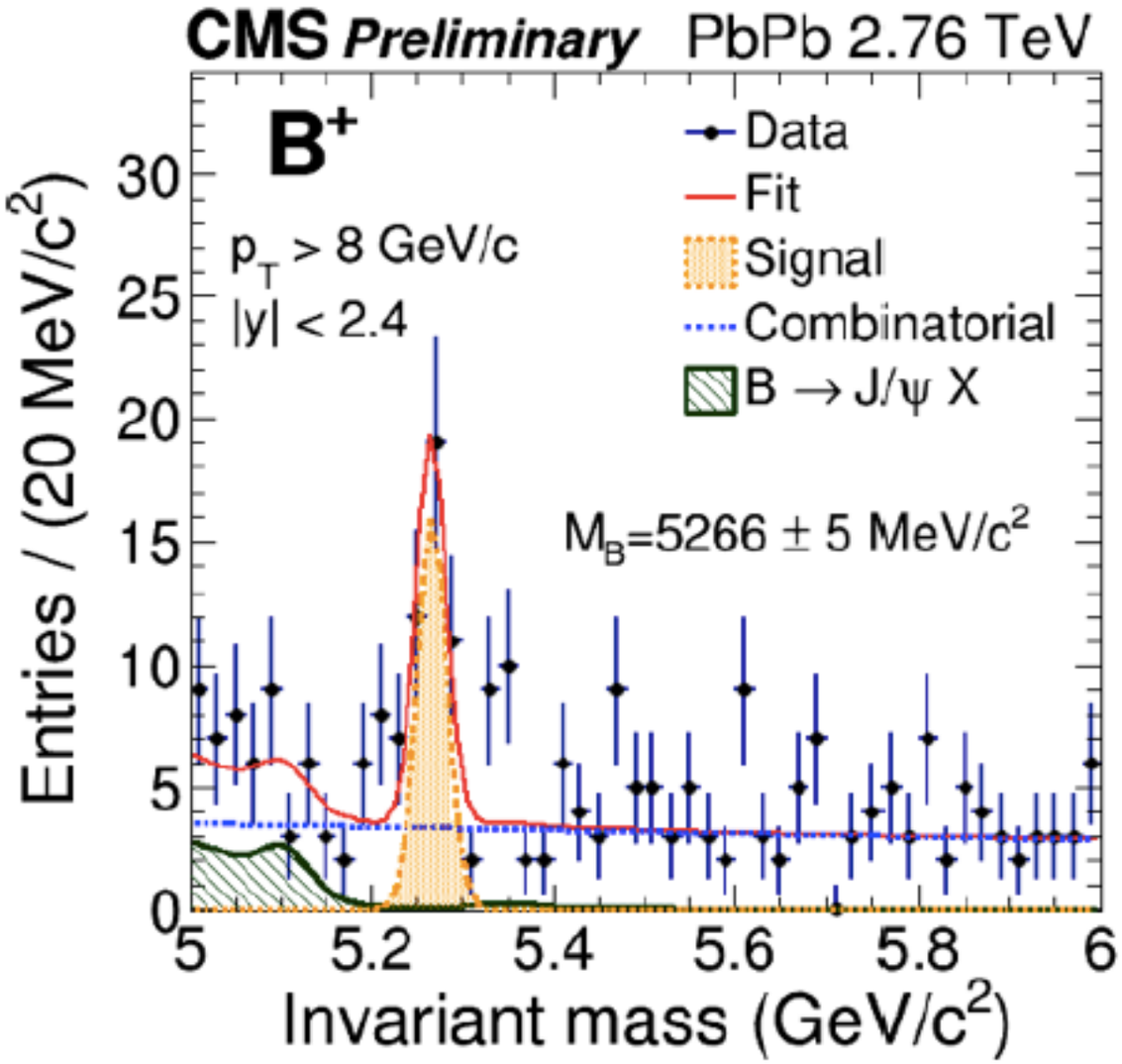
alpha > -0.346

soft muon cut

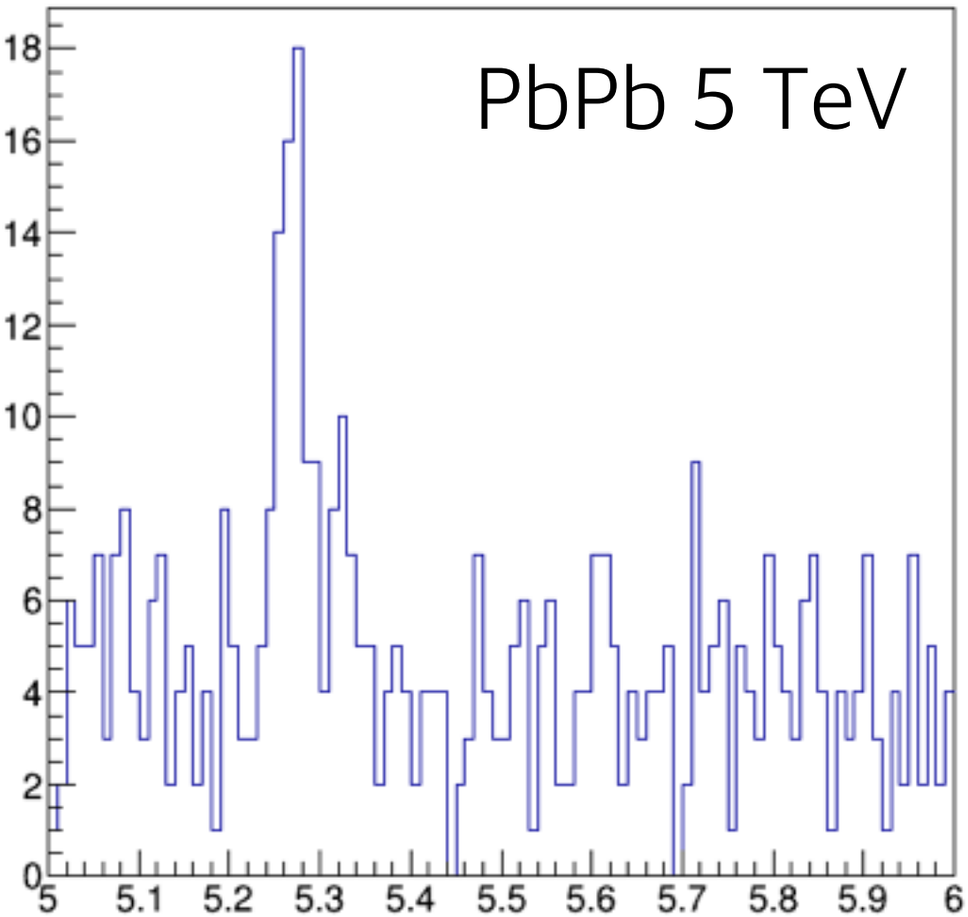


- for same J/psi event biggest chi2 probability case is chosen

mass spectrum



B+ invariant mass spectrum in Run 1 (2011) PbPb data.



J/psi pt > 5

Muon pt > 1.7

track pt > 1.5

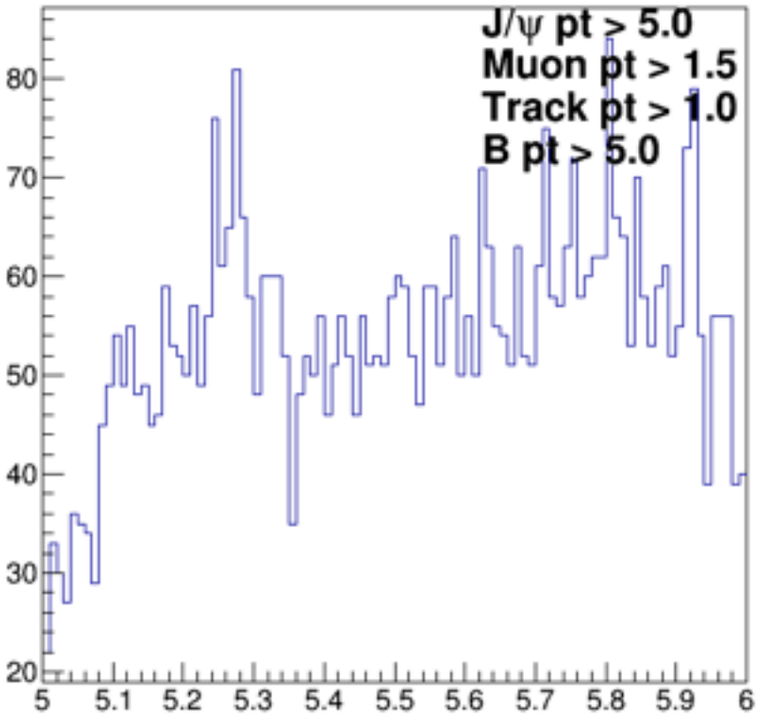
B pt > 10

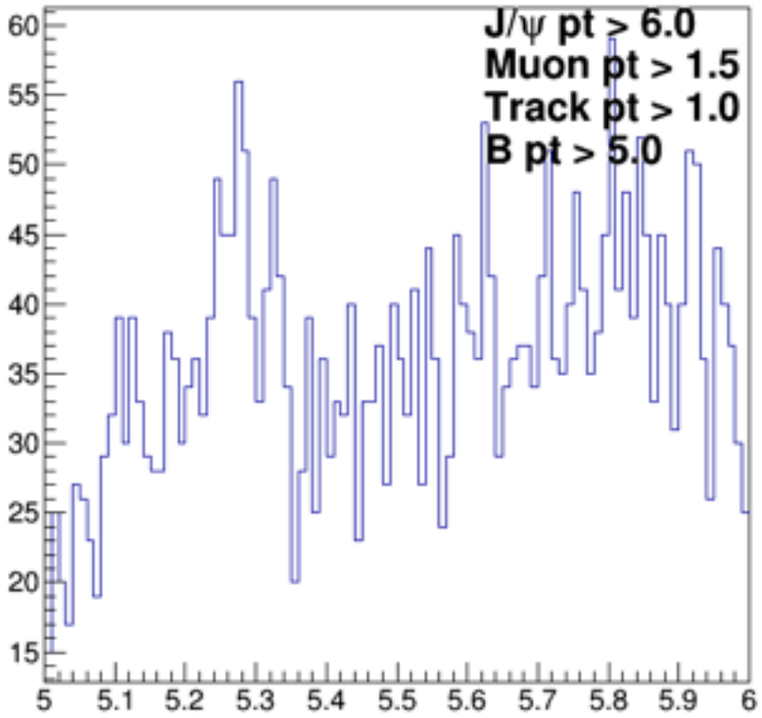
To do

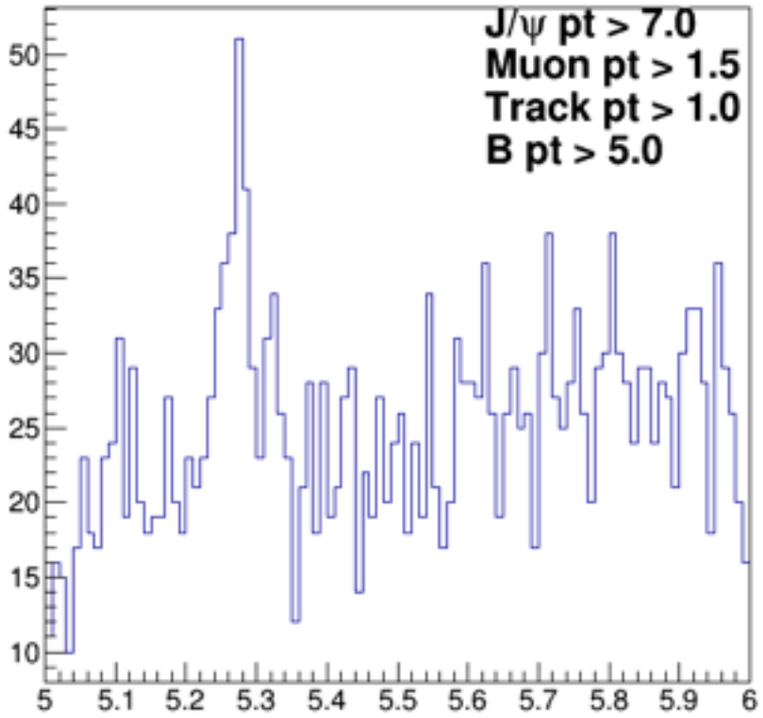
- 1. Find proper cut
- 2. Fit B pick
- 3. modify analyzer for MC and pp

back up

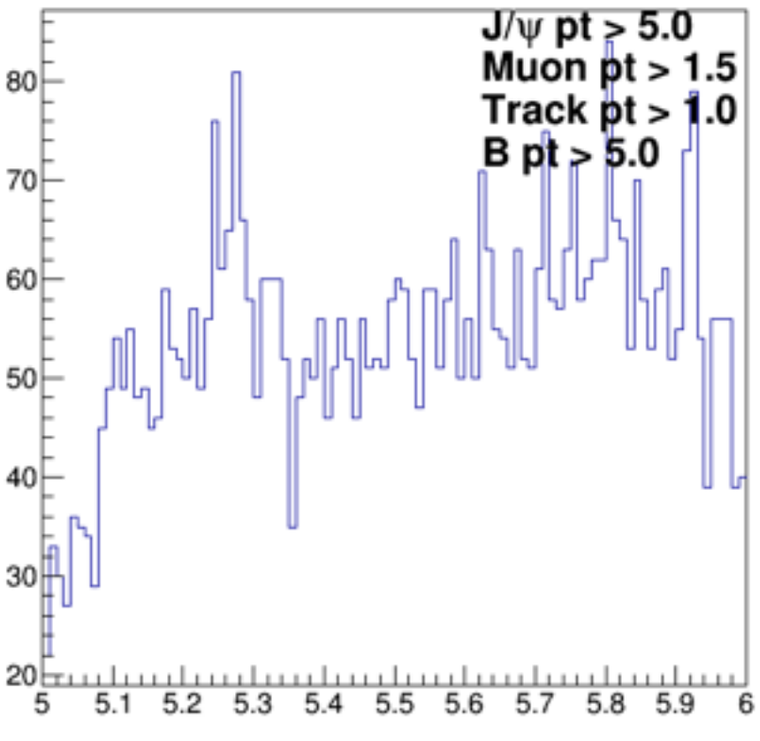
J/psi pt variation

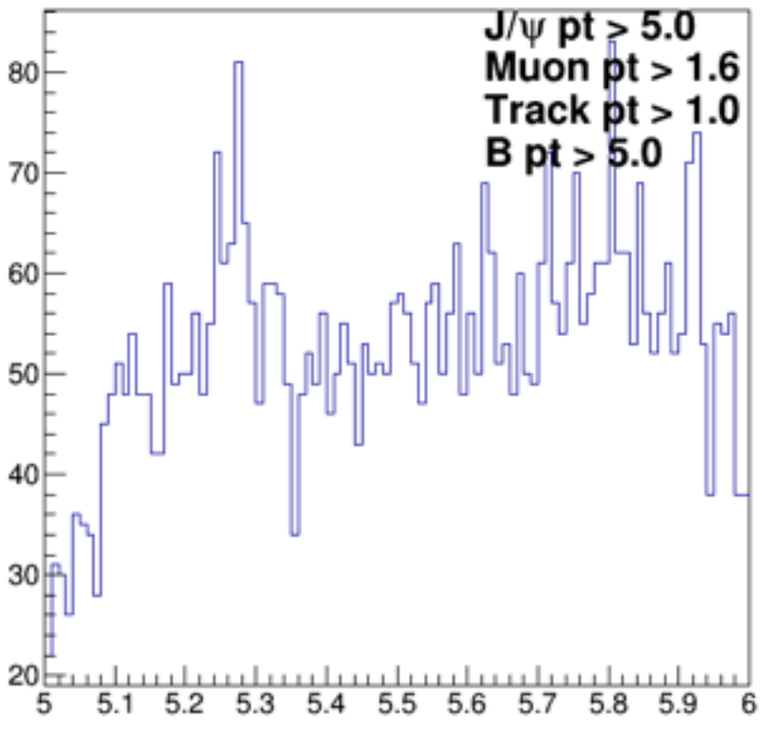


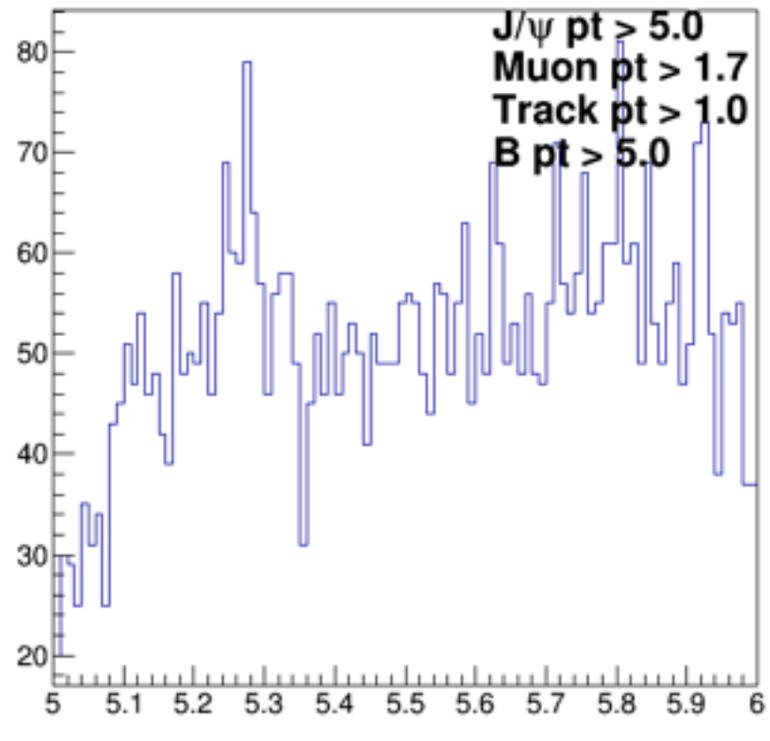


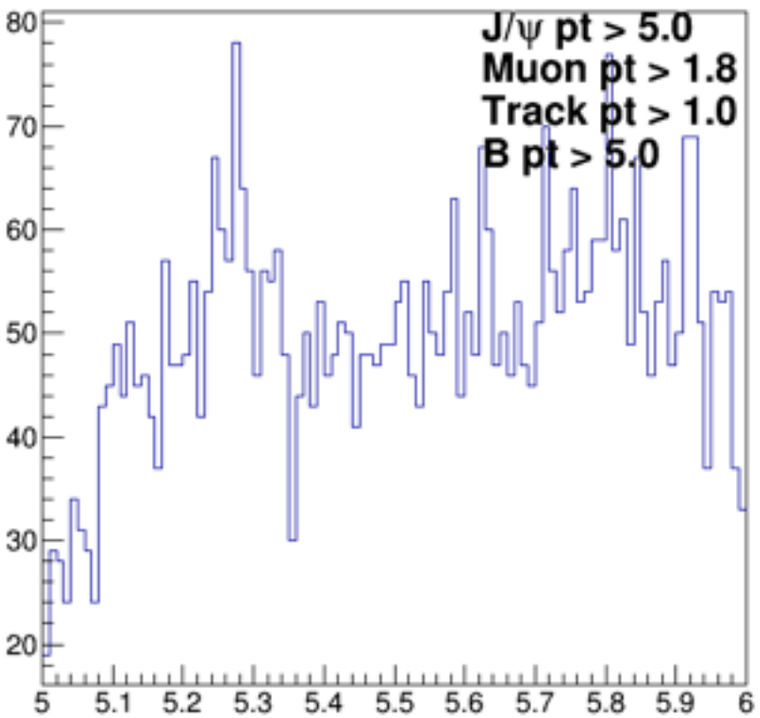


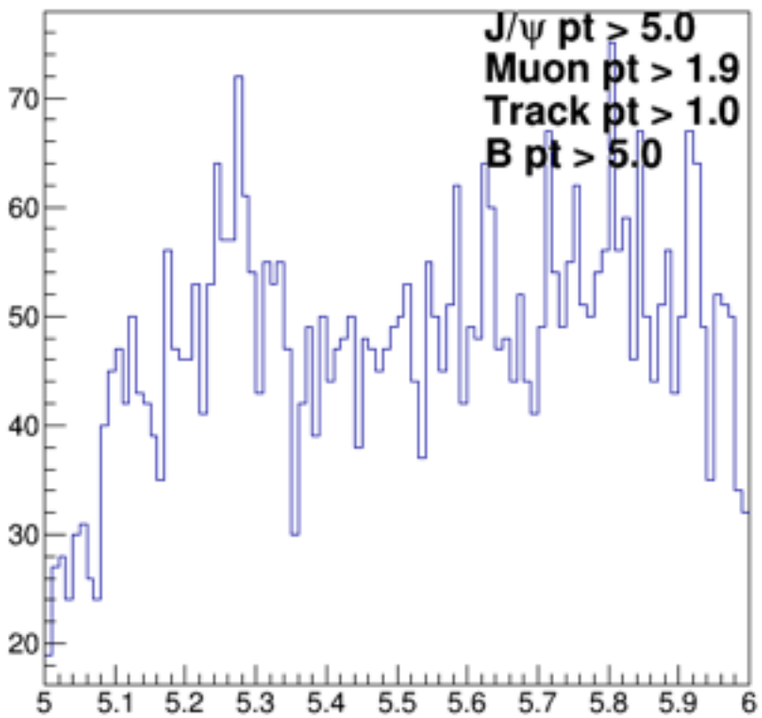
muon pt variation

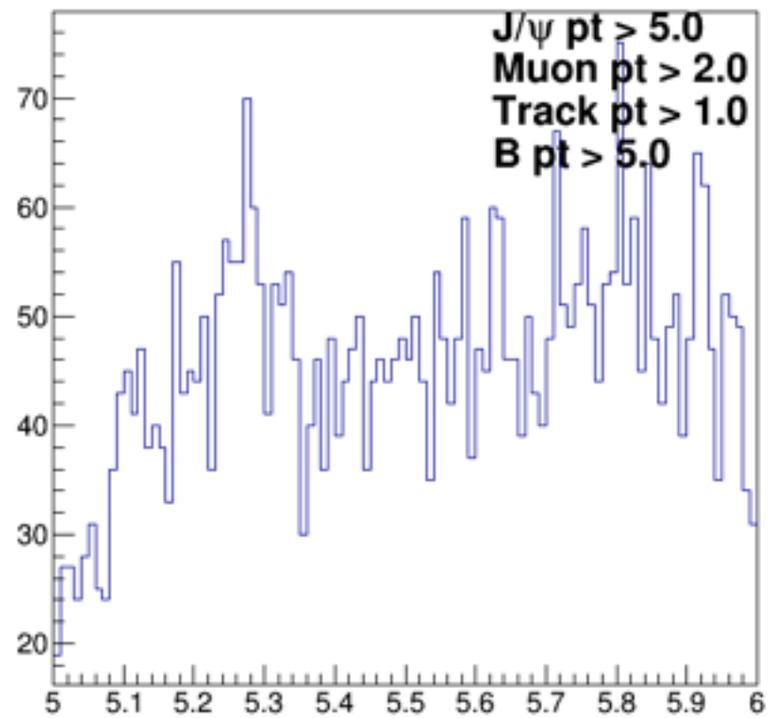




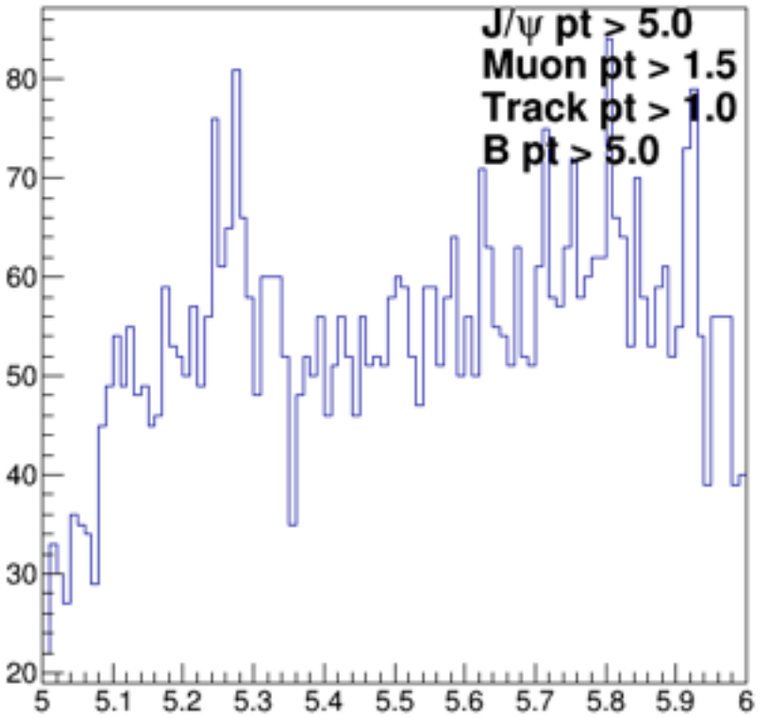


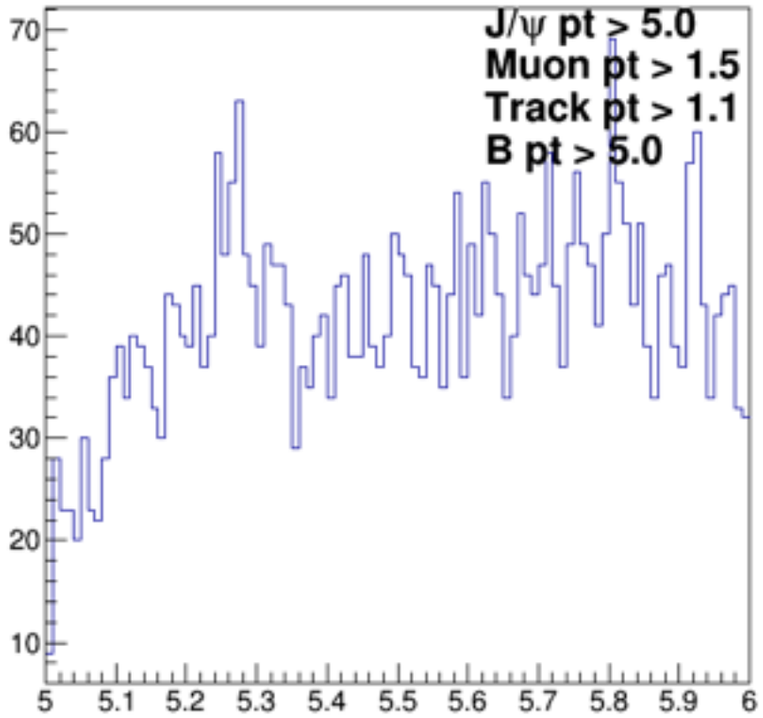


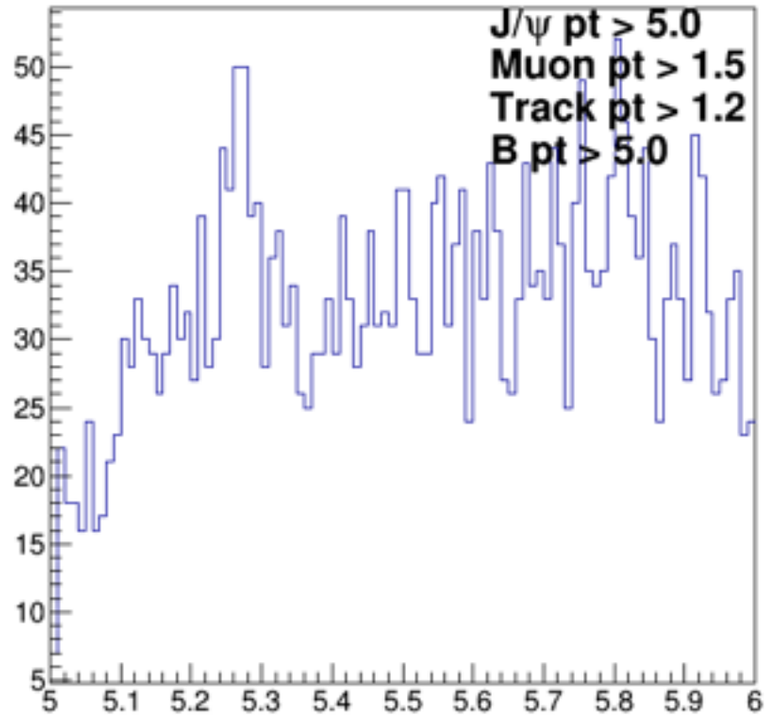


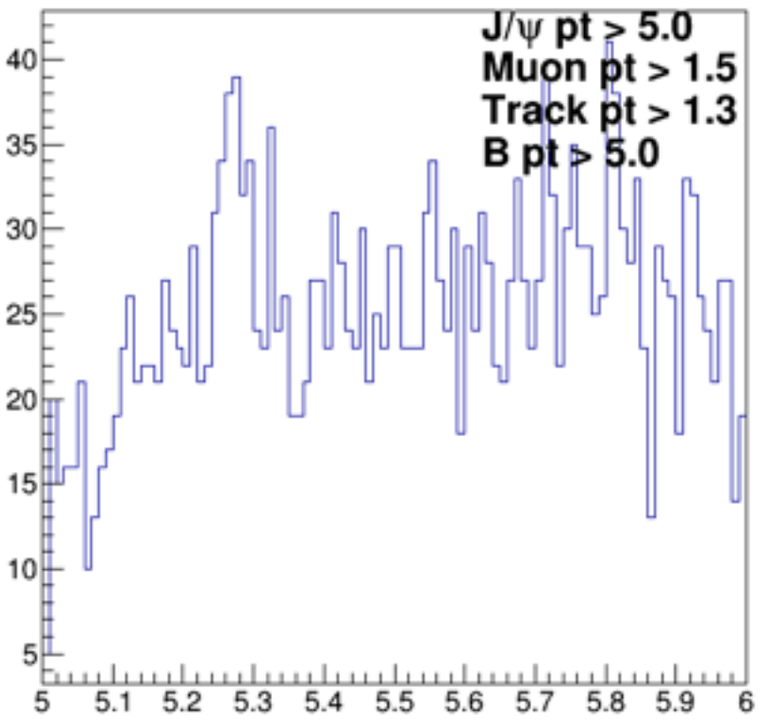


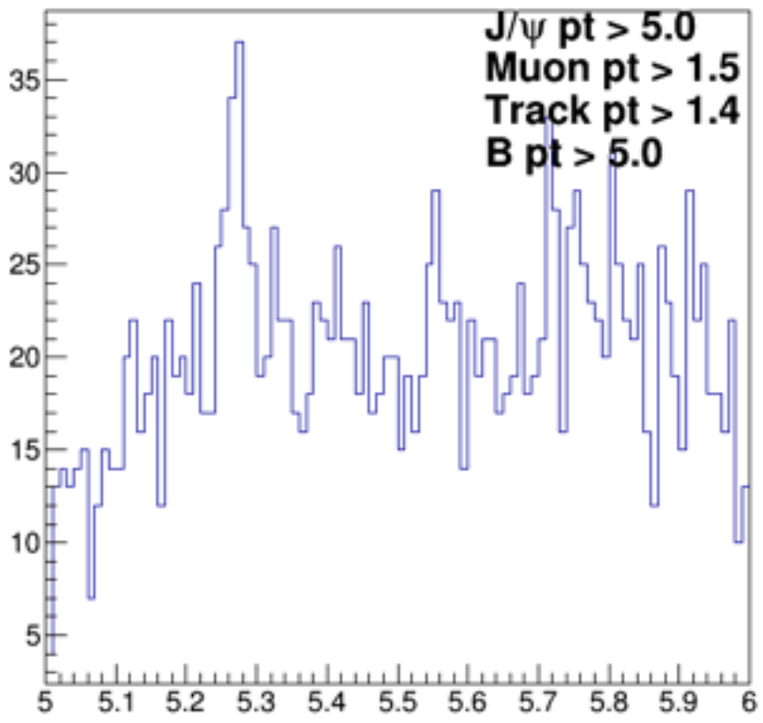
track pt variation

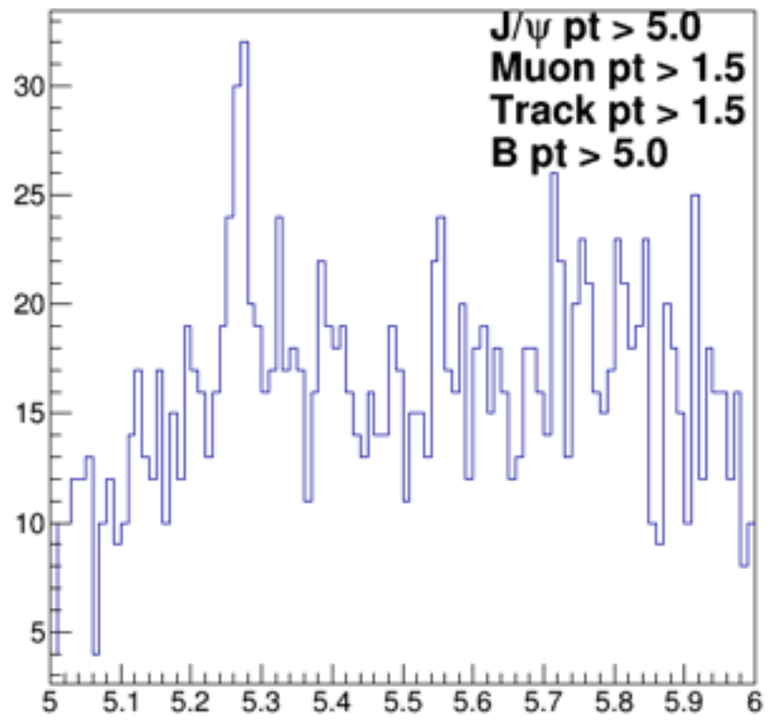












B pt variation