

Jet Meeting Recap

Spin Meeting

03-14-2016

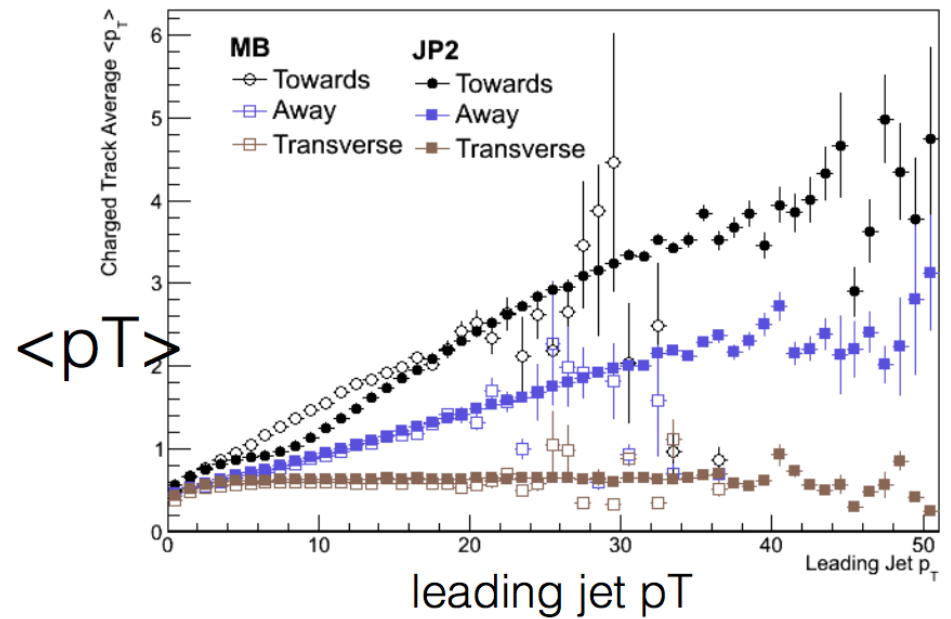
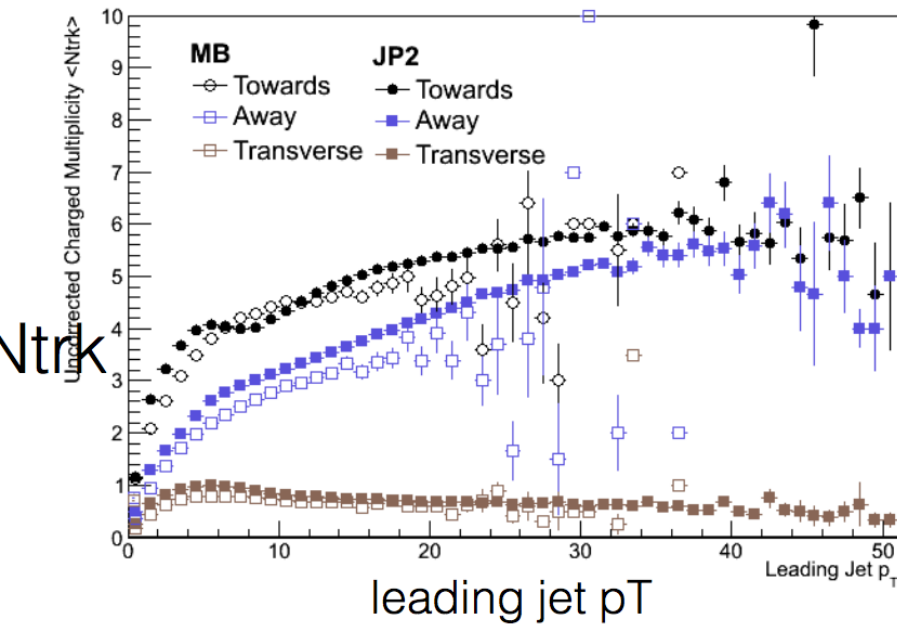
Grant Webb

Agenda Items

- Underlying Events in p+p 200GeV: Li Yi
- Vertex Matching in Embedding: Kevin Adkins
- 2009 Endcap Jet Reconstruction Bias: Ting Lin

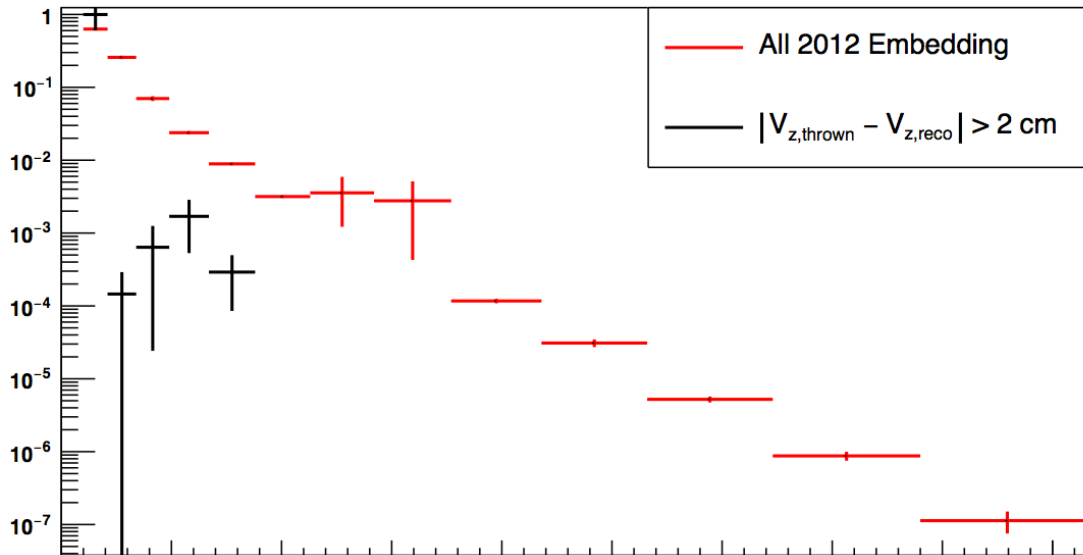
MB vs JP2 triggers

Full jet, Charged Trans.

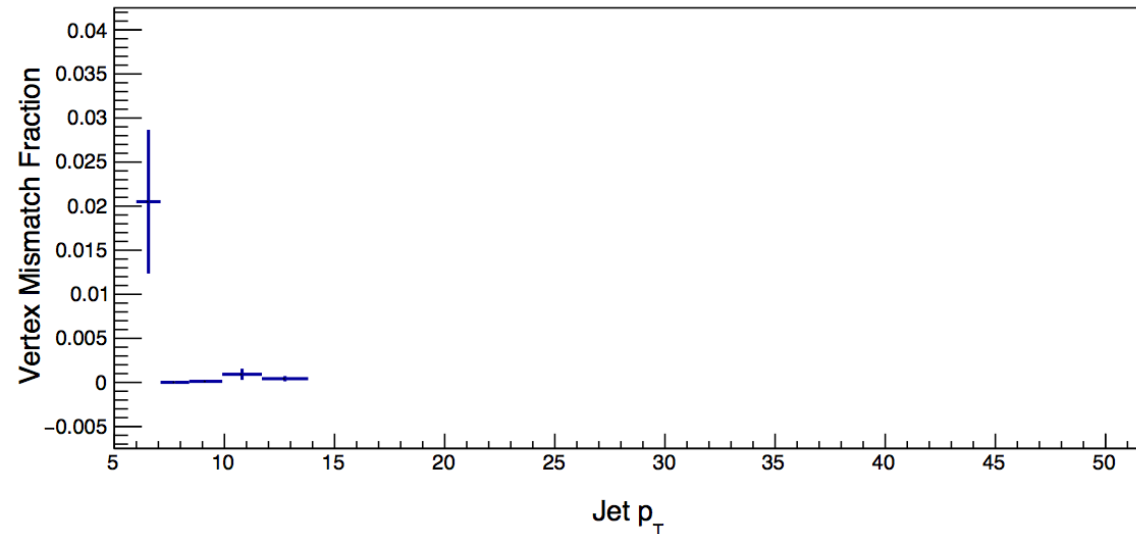


Difference in low jet p_T as expected from trigger.
Note: difference in Toward & Away regions.

Jet p_T Fractions



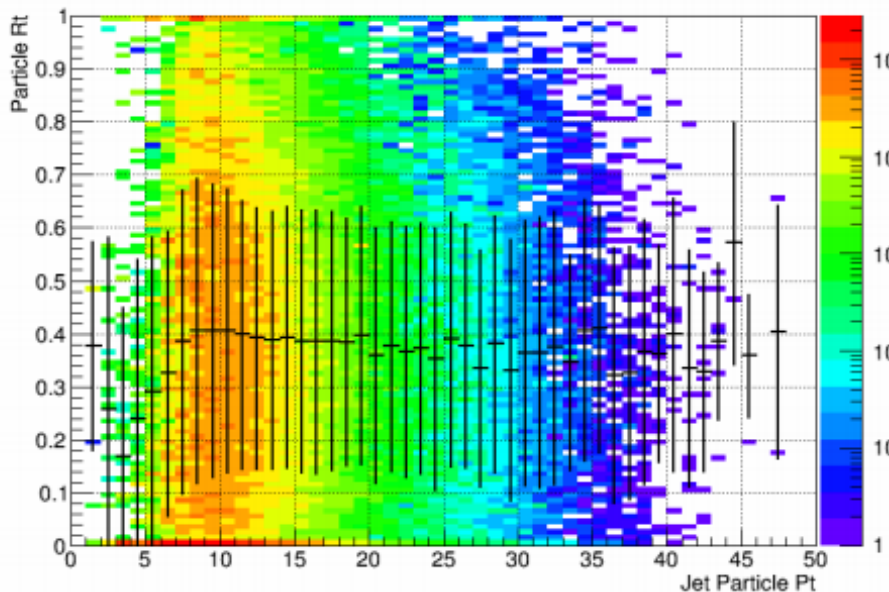
- ★ **Note:** In the top panel, the spectra have been scaled, however the fractions in the bottom panel were calculated before the spectra were scaled
- ★ Only the lowest bin is significantly large, call it a 2% mismatching fraction
- ★ Using the formula given on the previous slide, this 2% translates into a systematic of 0.000022 coming from the asymmetry value 0.00106
- ★ The statistical error bar for this point is 0.00089



Hi Pt Jet: 8GeV, Lo Pt Jet: 6GeV

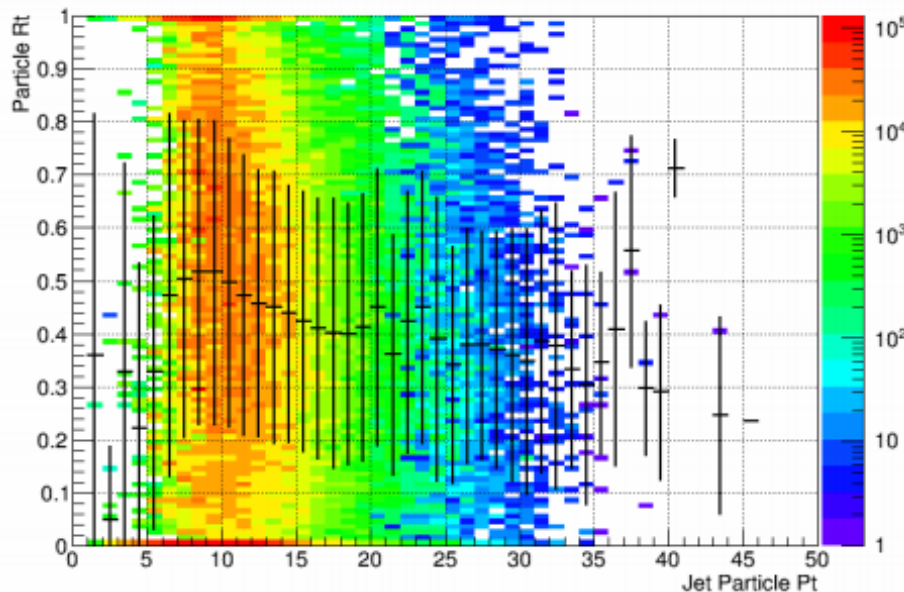
Jet Particle Rt Vs. Particle Pt, detEta:1.0 ~ 1.3

Entries 47995



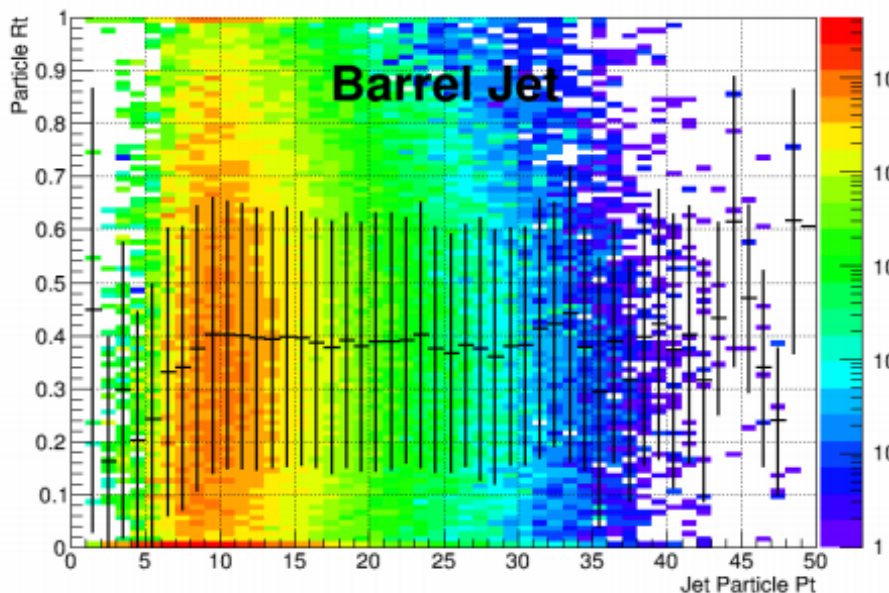
Jet Particle Rt Vs. Particle Pt, detEta:1.3 ~ 1.7

Entries 29417

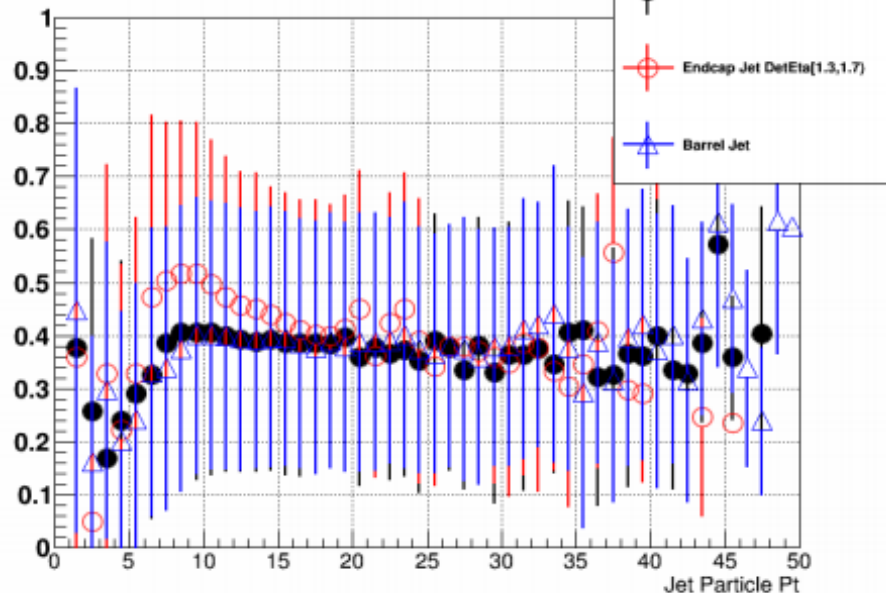


Jet Particle Rt Vs. Particle Pt

Entries 77412



Profile Comparison



Links to the Talks

<https://drupal.star.bnl.gov/STAR/blog/yili/jet-finding-group-underlying-event-pp-200-160308>

<https://drupal.star.bnl.gov/STAR/blog/jkadays/run12-simulation-vertex-matching>

<https://drupal.star.bnl.gov/STAR/blog/tinglin/run9-dijet-endcap-jet-reconstruction-bias>