Abstract Submitted
for the APR11 Meeting of
The American Physical Society

The effect of triangular flow in jet-medium interaction CHIN-HAO CHEN, Stony Brook University, PHENIX COLLABORATION — When jets pass through the hot dense QCD medium created in heavy ion collisions, some exotic structures are observed. There is enhancement of jet-associated particle yields in the η direction along trigger jets, known as "the ridge." Opposing jets show a double peak structure,referred to as the shoulder and head. One possible explanation for the ridge and shoulder is triangular flow, or v_3. We present the two particle $\Delta\eta$-$\Delta\phi$ correlations at PHENIX. We measure v_3, and include background modulation by v_3 when analyzing jet data. The effect of v_3 is to redistribute the excess associated particle yield of the ridge in the $\Delta\phi$ direction, not changing the fact that excess yield exists. We will show how v_3 affects unfolding the jet signal from the underlying event, with two different methods of normalizing the level of the background.

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Date submitted: 19 Jan 2011 Electronic form version 1.4