

Abstract Submitted  
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**Directed and Elliptic Flow of Charged Hadrons in 22.4 GeV Cu+Cu Collisions** YADAV PANDIT, Kent State University, STAR COLLABORATION — Measurements of anisotropic flow in heavy-ion collisions provide insight into the early stage of the system's evolution. Anisotropic flow is quantified by the Fourier coefficients  $v_n$  of the distribution of particles with respect to the reaction plane. This talk reports recent results for directed ( $v_1$ ) and elliptic flow ( $v_2$ ) at  $\sqrt{s_{NN}} = 22.4$  GeV. The measurements are done using 0-60% central collision for charged particles at mid-pseudo rapidity region  $|\eta| < 1.2$  and at forward pseudorapidity region  $2.5 < |\eta| < 4.0$  in the STAR experiment at RHIC. The STAR Beam Beam Counters (BBC) cover the pseudorapidity ( $\eta$ ) range  $3.3 < |\eta| < 5.0$  and provide full azimuthal coverage. They are used to reconstruct the first-order event plane for the directed flow analysis. For the elliptic flow measurements, charged tracks in the time projection chamber are used to reconstruct the event plane. Comparisons with other methods and with different energies are presented.

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