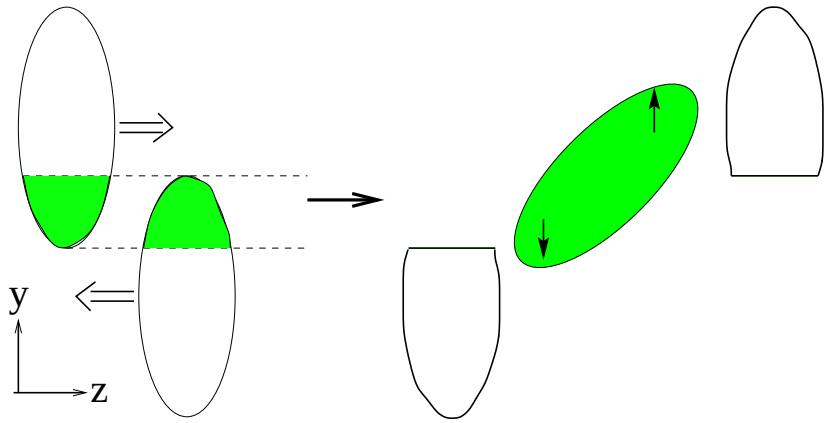
Event Anisotropy in non-central Collisions

pressure driven flow can transform

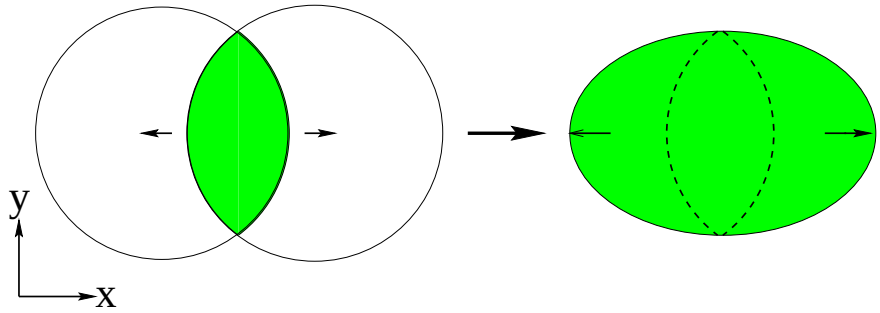
spatial $\rightarrow$ momentum anisotropy

sensitivity to equation of state

Rotation of Event Axis



Flattening of Event in Transverse Plane



azimuthal asymmetry small at SPS energies, careful correction of detector acceptance essential

- azim.acceptance weighting $w(y, p_t, \Phi) = (\frac{dN_{raw}(y,p_T,\Phi)}{d\Phi})^{-1}$
- event plane: $\Phi_R = \frac{1}{2} tan^{-1} \frac{\Sigma w(\Phi_i) sin 2\Phi_i}{\Sigma w(\Phi_i) cos 2\Phi_i}$