Charge Fluctuations:

$\Delta\Phi_q$ + QGP Model

- Subtract global charge conservation:

$$\Delta\Phi_q = \Phi_q - \Phi_q^{cc}$$

- Simple QGP model:

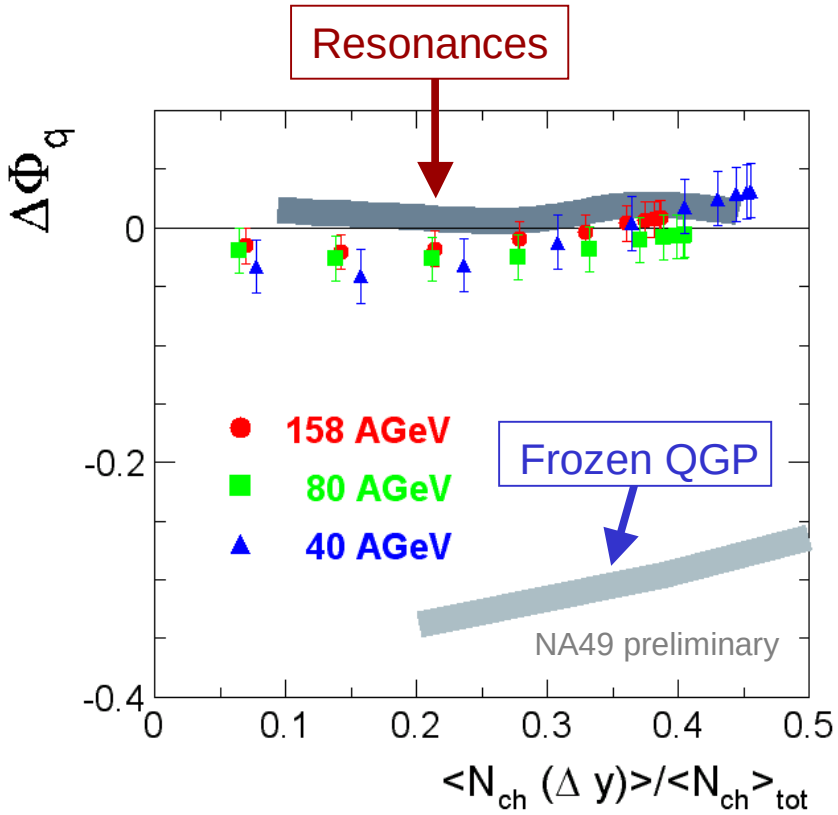
  J. Zaranek, hep-ph/0111228

  – Massless quarks, $\mu_B = 0$

  – Multiplicity ratios of q, g from equilibrium QGP (ideal gas)

  – Entropy and local charge conservation during hadronization into:

    - Pions: Frozen QGP
    - Rhos: Resonances



- Data compatible to g.c.c.
- QGP fluctuations obscured by resonance decay kinematics