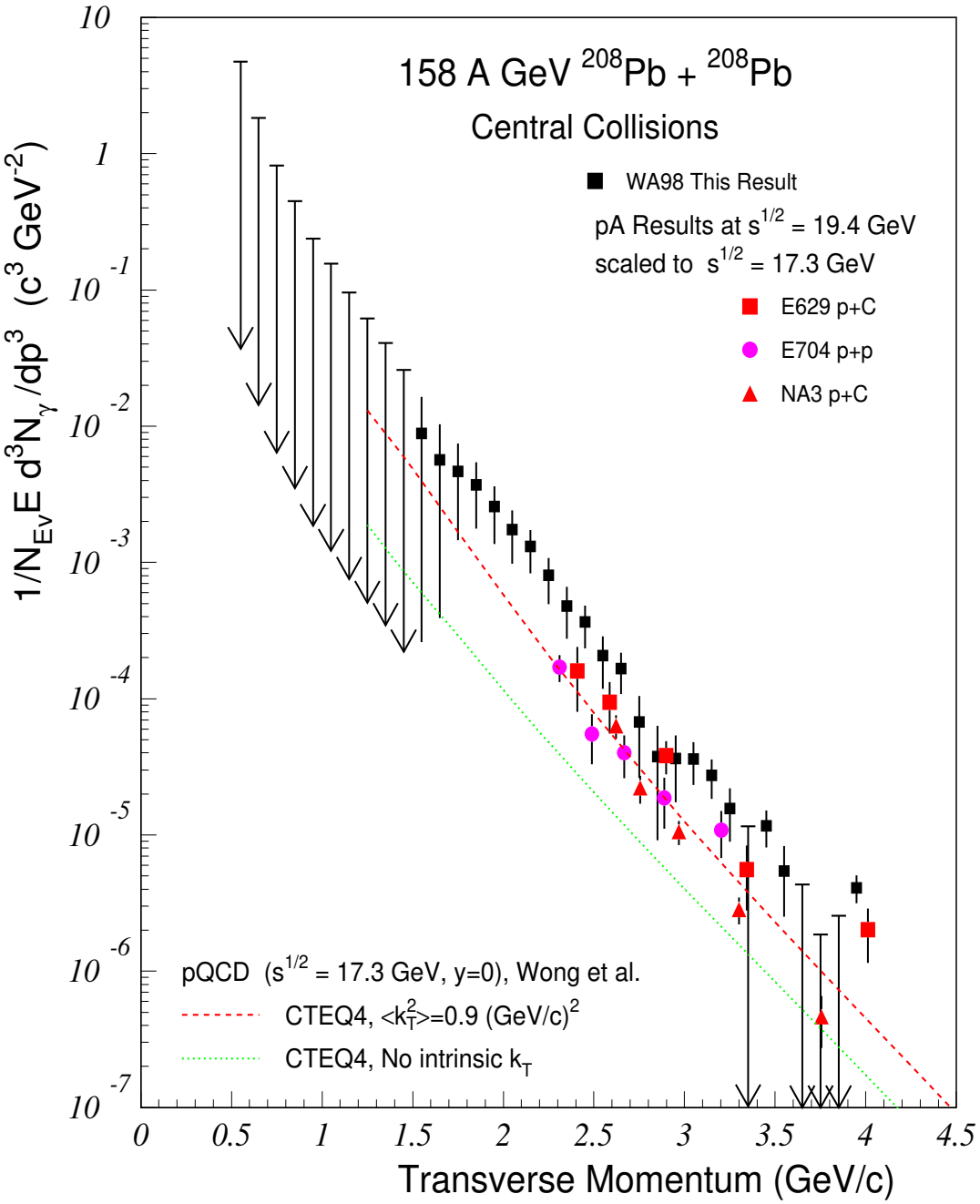
Direct Photons



- Comparison to pA:
  - correct for number of nucleon-nucleon collisions.
  - assume invariant yield has form $f(x_T)/s^2$ where $x_T = 2P_T/s^{1/2}$

- WA98:
Phys. Rev. Lett., v.85(2000), p.3595

- Similar spectrum shape, but factor of 2-3 enhanced yield for Pb+Pb

- NLO pQCD calculations underpredict direct photon yield.