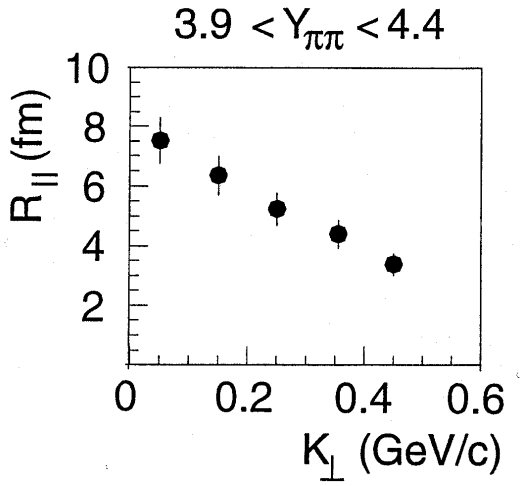
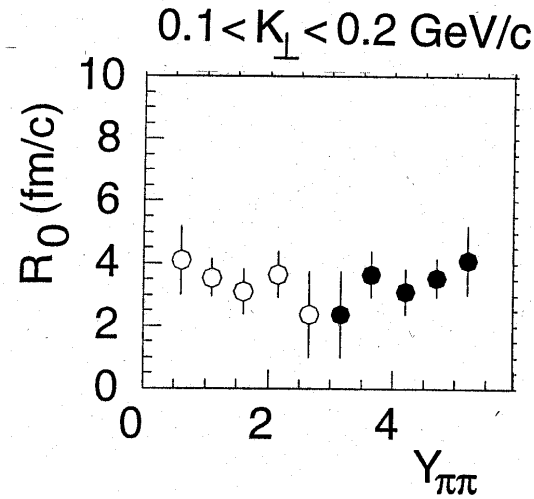
correlation of the longitudinal momenta – $R_{\parallel}$



$$R_{\parallel} = \tau_0 \cdot [\frac{M_T}{T} cosh(Y_{YKP} - Y_{\pi\pi}) - \frac{1}{cosh^2(Y_{YKP} - Y_{\pi\pi})} + \frac{1}{(\Delta\eta)^2}]^{-\frac{1}{2}}$$

fireball lifetime $\tau_0 = 8 fm/c$

correlation of the energies – R_0



duration of π emission $\Delta\tau \sim R_0 \sim 3.5 fm/c$

no evidence for long-lived mixed phase