

#### 4. PHENOMENOLOGICAL ANALYSIS

##### A) AZIMUTHAL ASYMMETRY

##### IN UNPOLARIZED DRELL-YAN

$$p\pi^- \rightarrow \mu^+\mu^- X$$

FIXED  $\vec{q}_1 (\mu^+\mu^-)$

NA 10 Coll.: S. Falciano et al.: Z. Phys. C 31 (1986) 513

M. Guanzirrioli et al.: Z. Phys. C 37 (1988) 545

PARAMETRIZ. OF ANGULAR DIFFER. CROSS SECTION:

$$\frac{1}{G} \frac{dG}{d\Omega} = \frac{3}{4\pi} \frac{1}{\lambda+3} \left( 1 + \lambda \cos^2 \vartheta + \mu \sin 2\vartheta \cos \varphi + \frac{1}{2} \nu \sin^2 \vartheta \cos 2\varphi \right)$$

$(\vartheta, \varphi) \rightarrow$  DIRECTION  $\mu^+ \mu^-$  C.M.S.

FORMALISM OF CORRELATOR:

$$-\mu \approx 0$$

$$-\nu \propto h_{\perp}^{\perp}(x, \beta_{\perp}^2) \otimes \bar{h}_{\perp}^{\perp}(\bar{x}, \beta_{\perp}^2) \frac{q_{\perp}^2}{M_0^2}$$

$$\mu_0 = \frac{Q}{2}$$

INVOLVED ALSO IN T-ODD FUNCTIONS

$$\nu = A_0 \frac{q_{\perp}^2}{Q^2}$$