

PARAMETRIZATION

NORMALIZATION **DIFFERENT** THAN USUAL:

$$\phi = \phi_e + \phi_o$$

$$\phi_e \approx \phi_e^{(1)} + \phi_e^{(2)}$$

$$\phi_e^{(2)} = \frac{P^+}{\sqrt{2}} \left\{ f_1 x_+ + (\lambda g_{1L} + \lambda_\perp g_{1T}) \gamma_5 x_+ + \frac{1}{2} h_{1T} \gamma_5 [S_\perp, x_+] \right. \\ \left. + \frac{1}{2} (\lambda h_{1L}^\perp + \lambda_\perp h_{1T}^\perp) \gamma_5 [x_\perp, x_+] \right\}$$

$$\phi_e^{(1)} = \frac{1}{2} (f^\perp + \lambda g_L^\perp \gamma_5 + \lambda_\perp g_T^\perp \gamma_5) \not{x}_\perp + \frac{1}{4} \lambda_\perp h_T^\perp \gamma_5 [S_\perp, \not{x}_\perp] \\ + \frac{1}{2} x_M \left\{ e + g_T' \gamma_5 S_\perp + \frac{1}{2} (\lambda h_L + \lambda_\perp h_T) \gamma_5 [x_-, x_+] \right\}$$

$$\phi_o \approx \frac{P^+}{\sqrt{2}} \left\{ f_{1T}^\perp \varepsilon_{\mu\nu\sigma\delta} \gamma^\mu x_+^\nu \gamma_5^\sigma S_\perp^\delta + i h_{1L}^\perp \frac{1}{2} [x_\perp, x_+] \right\}$$

$$S = \lambda \frac{P}{M} + S_\perp$$

$$\eta_\perp = \frac{P_\perp}{\mu_0}$$

$$\lambda_\perp = -S \cdot \eta_\perp$$

μ_0 : **UNDETERMINED ENERGY SCALE**

P.J. Mulders and R.D. Tangerman : Nucl. Phys. B 461 (1996) 197

A. Kotzinian : Nucl. Phys. B 441 (1995) 234