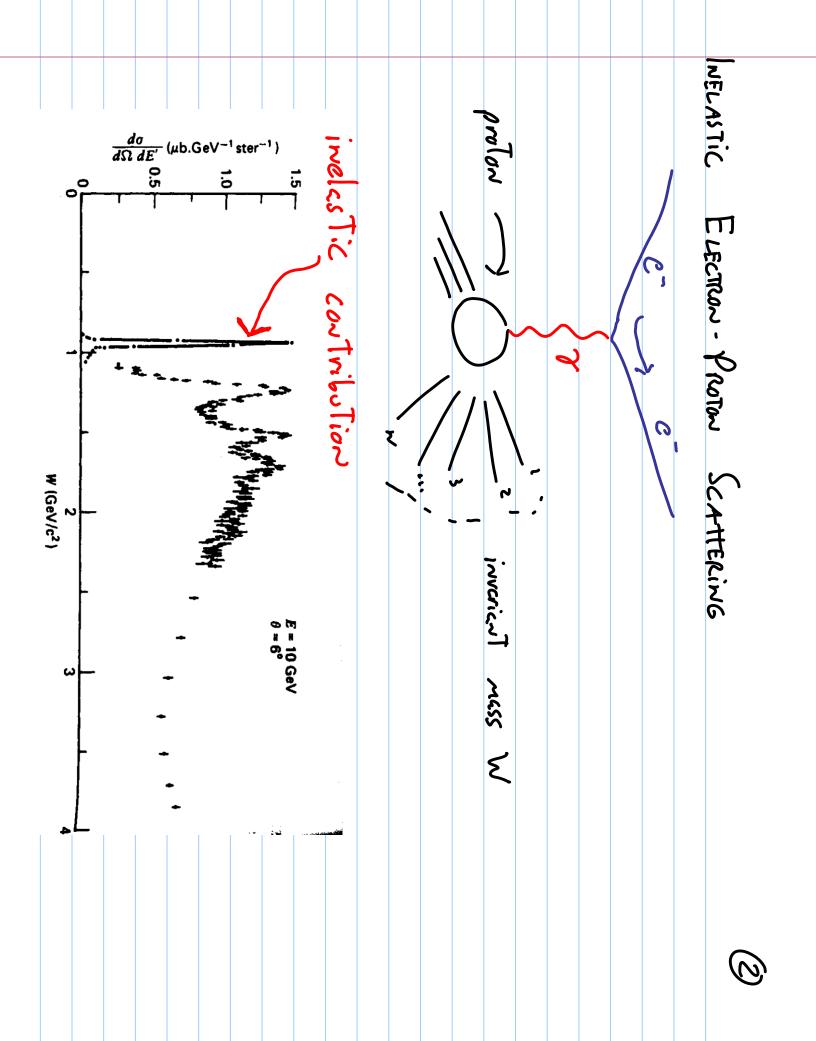
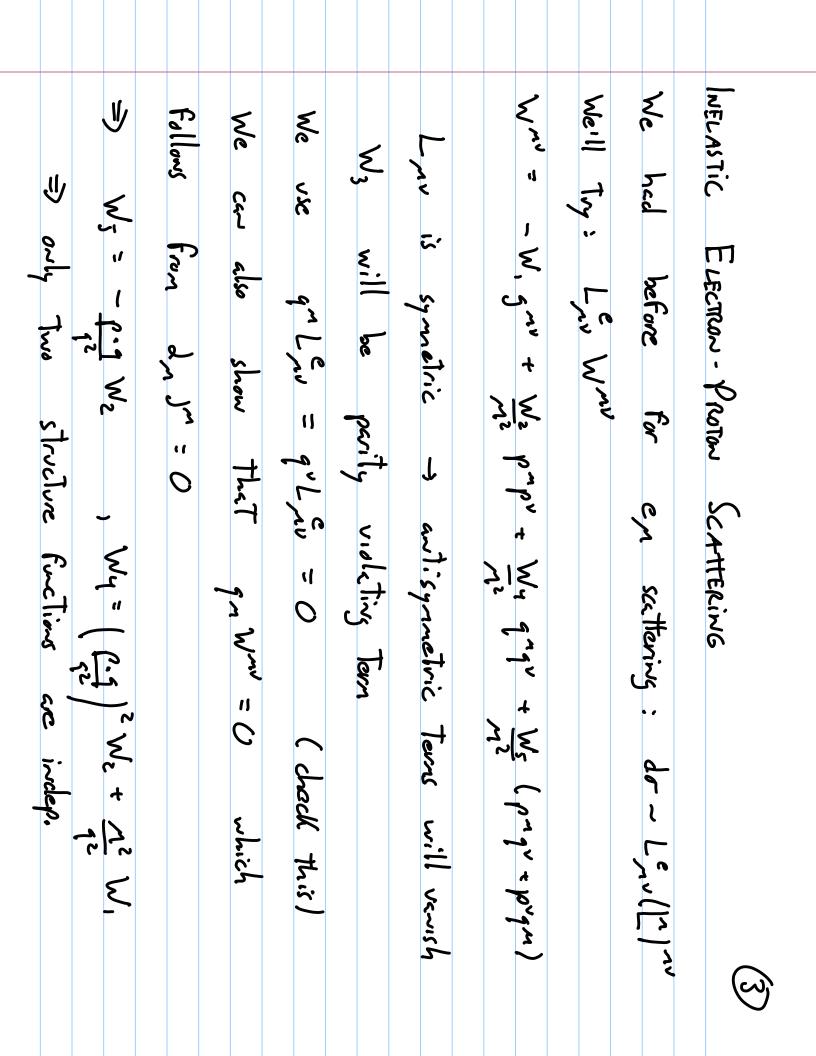
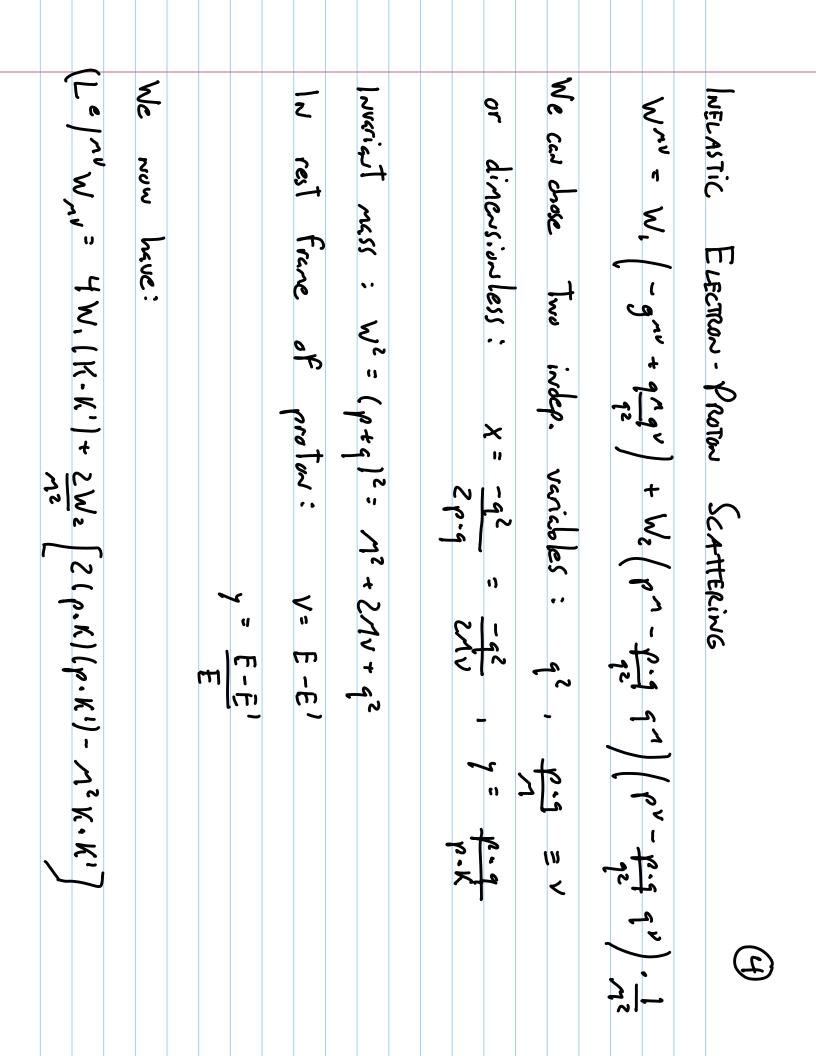
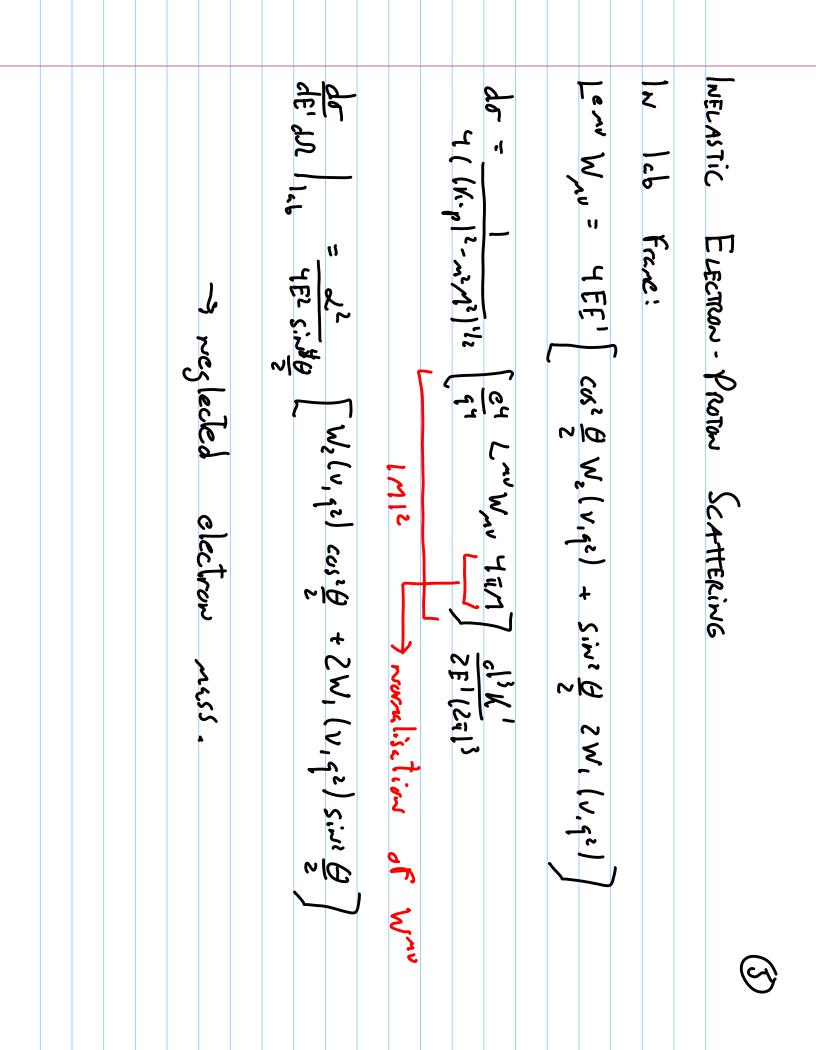
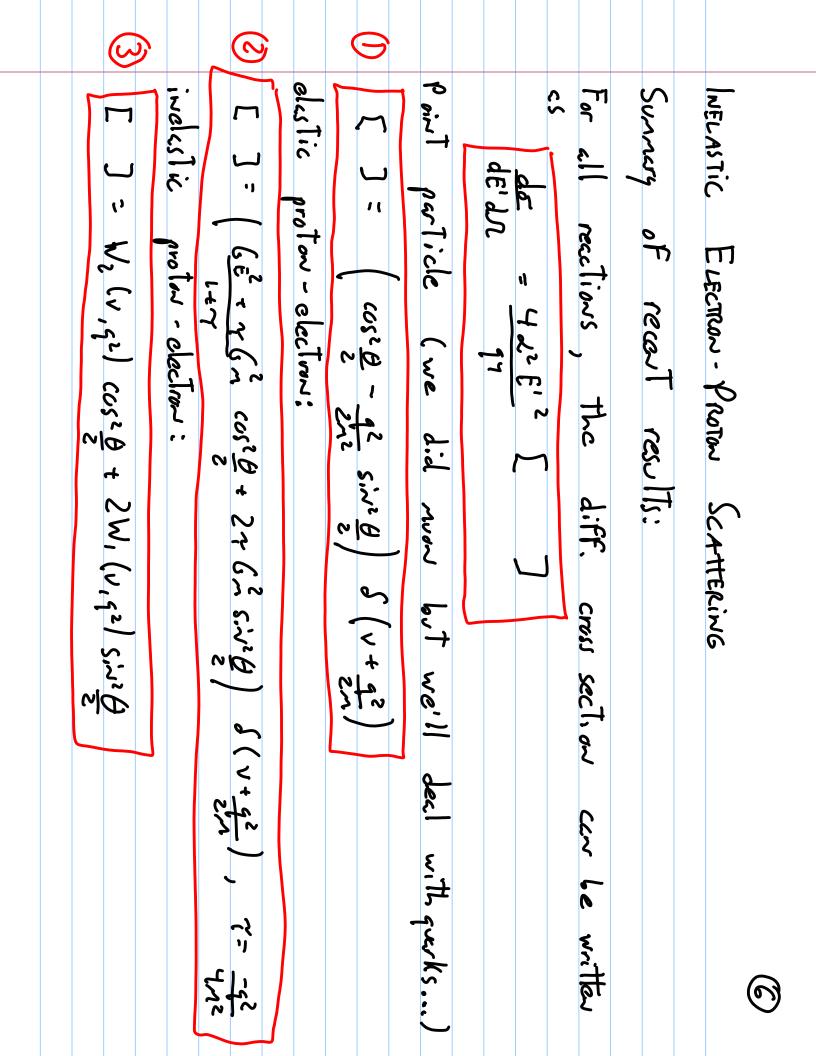
	(Lused Quigg and mostly Halzen-Martin as reterences)			-Parton Distribution Functions	-Contents of the proton and neutron		-Thelastic Scattering of protons and electrons		Overview:	LECTORE TO: Madron Structure (rart 2)		

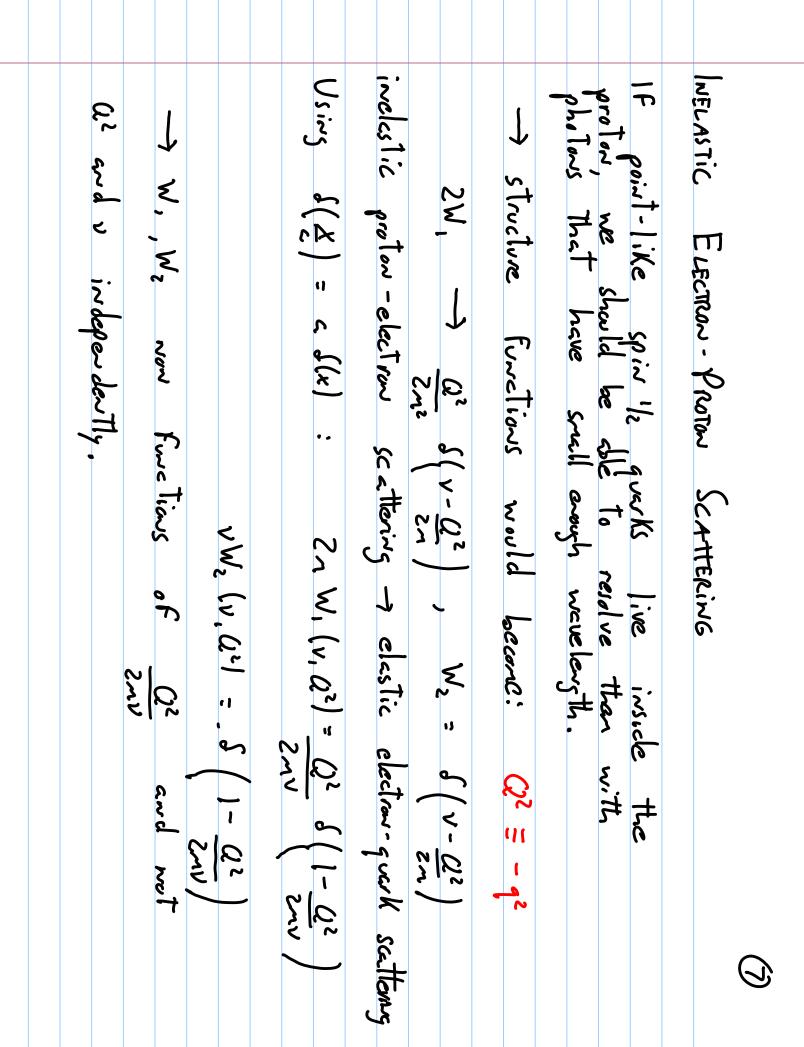


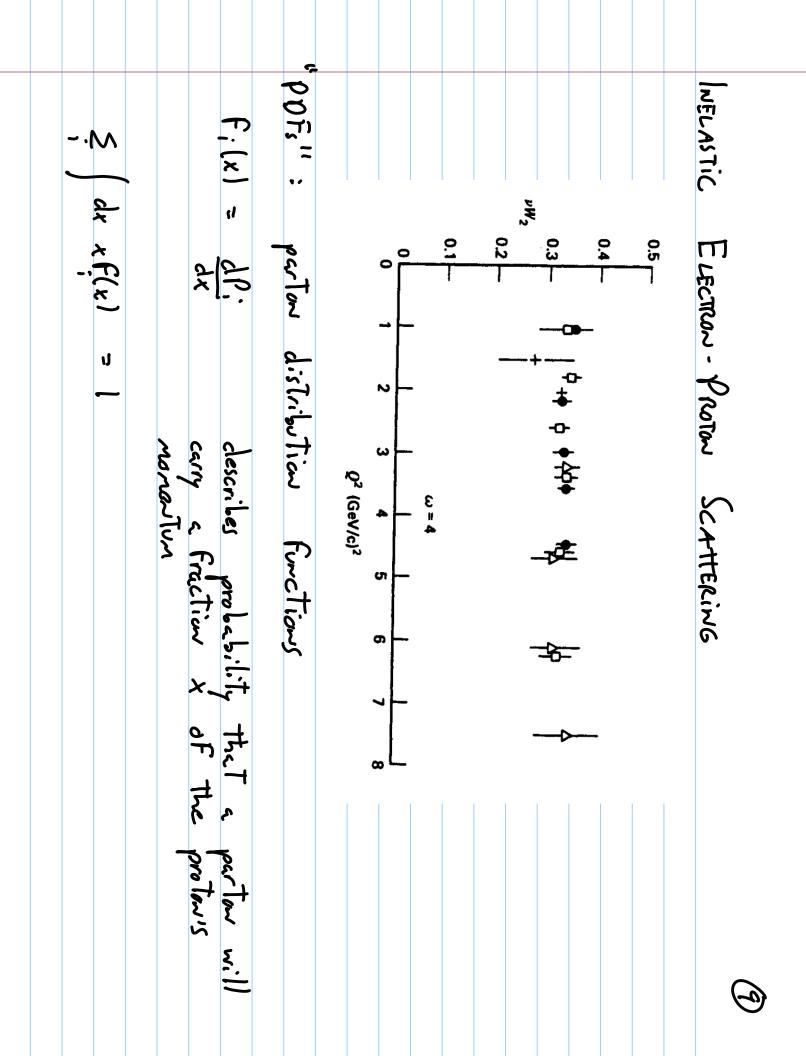




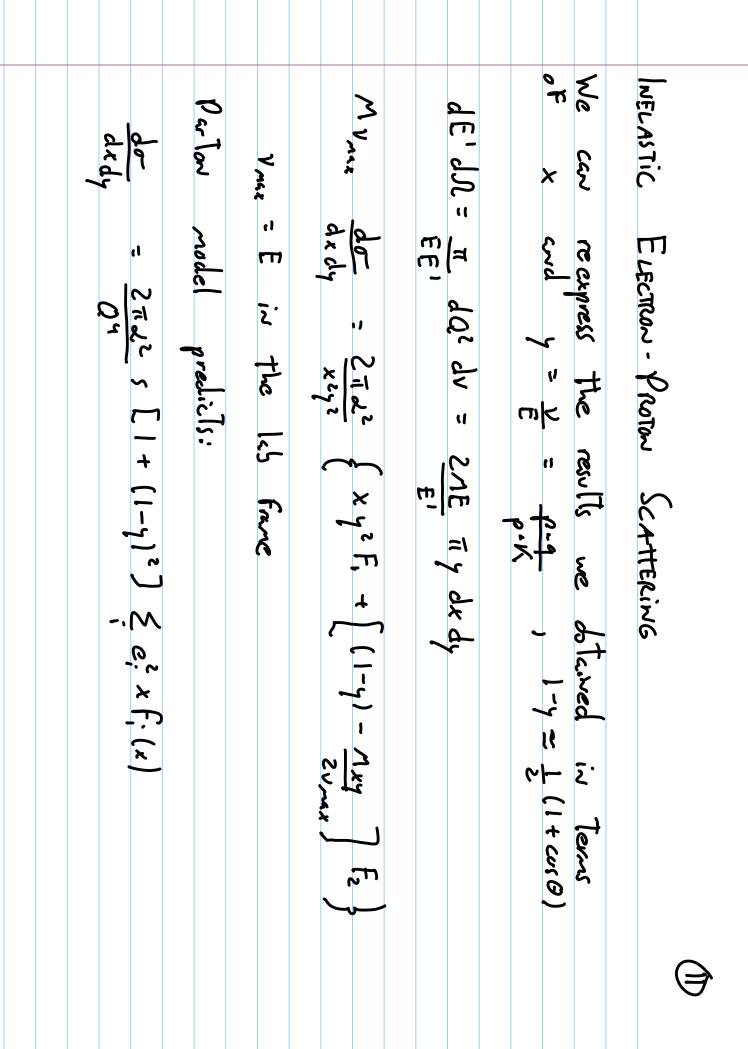




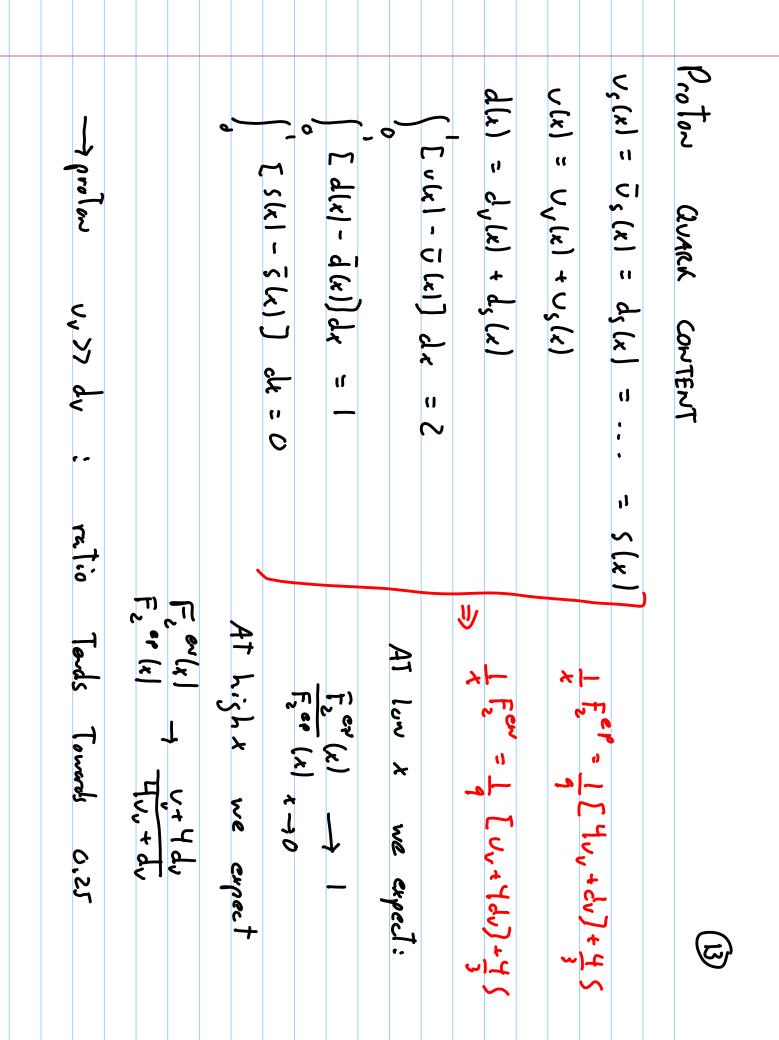


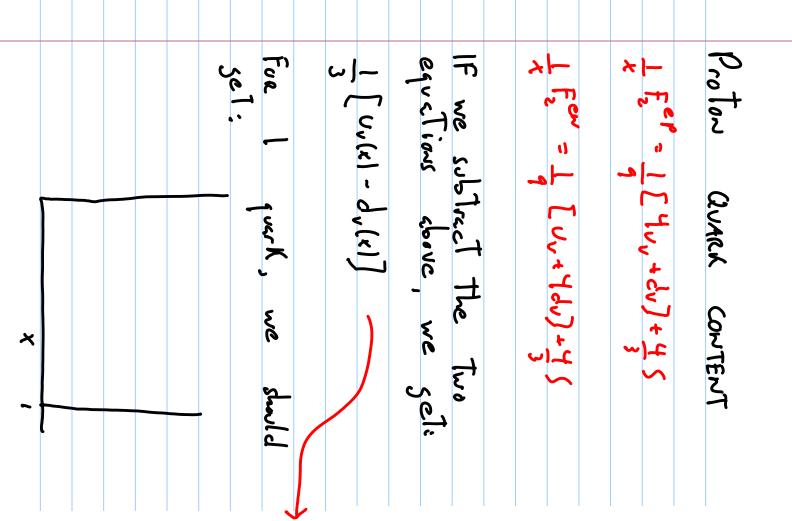


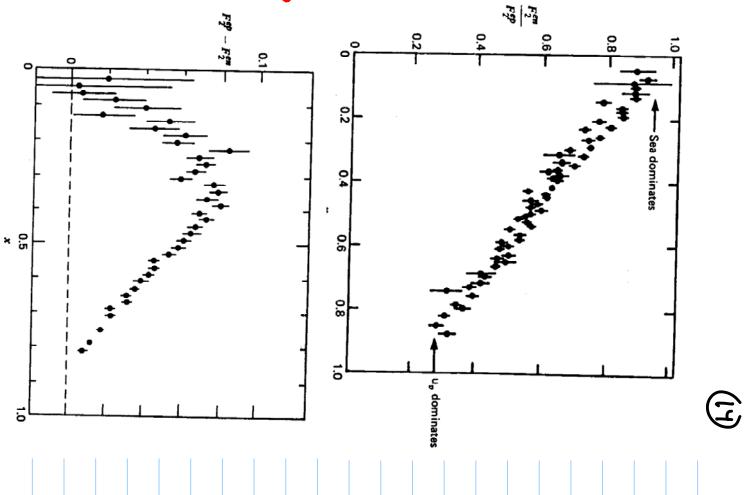
$v \mathcal{W}_{2}(v, \mathcal{U}^{c}) \rightarrow F_{2}(x) = \underbrace{\leq}_{x} e_{i}^{2} x f_{i}(x) \qquad \qquad$	r v	$F_{2}(w) = \int \left(1 - \frac{Q^{2}}{2m}\right) = \int \left(1 - \frac{1}{2m}\right)$	$F_{r}(w) = \frac{Q^{2}}{2m^{2}x} d\left(1 - \frac{Q^{2}}{2m}\right) = \frac{1}{2x^{2}w} d\left(1 - \frac{1}{2w}\right)$	INELASTIC ELECTRON - PROTON SCATTERING IN Terns of x and w , sTructure functions gi
رک و				giver by:

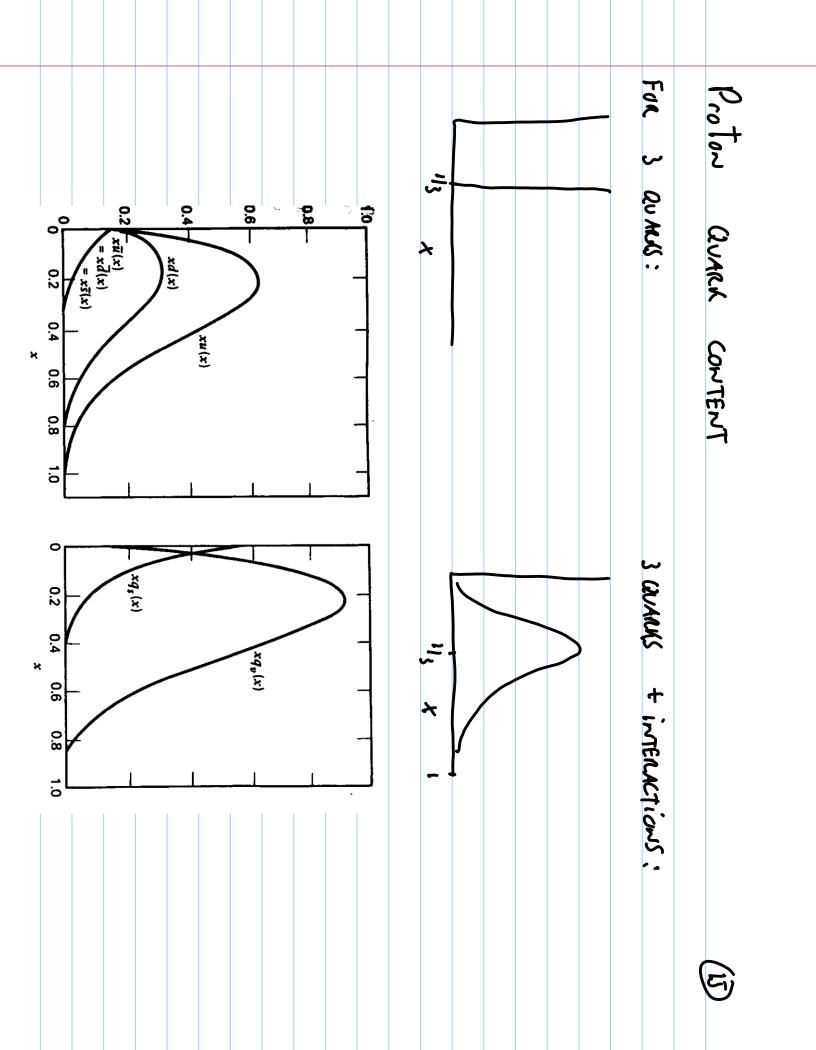


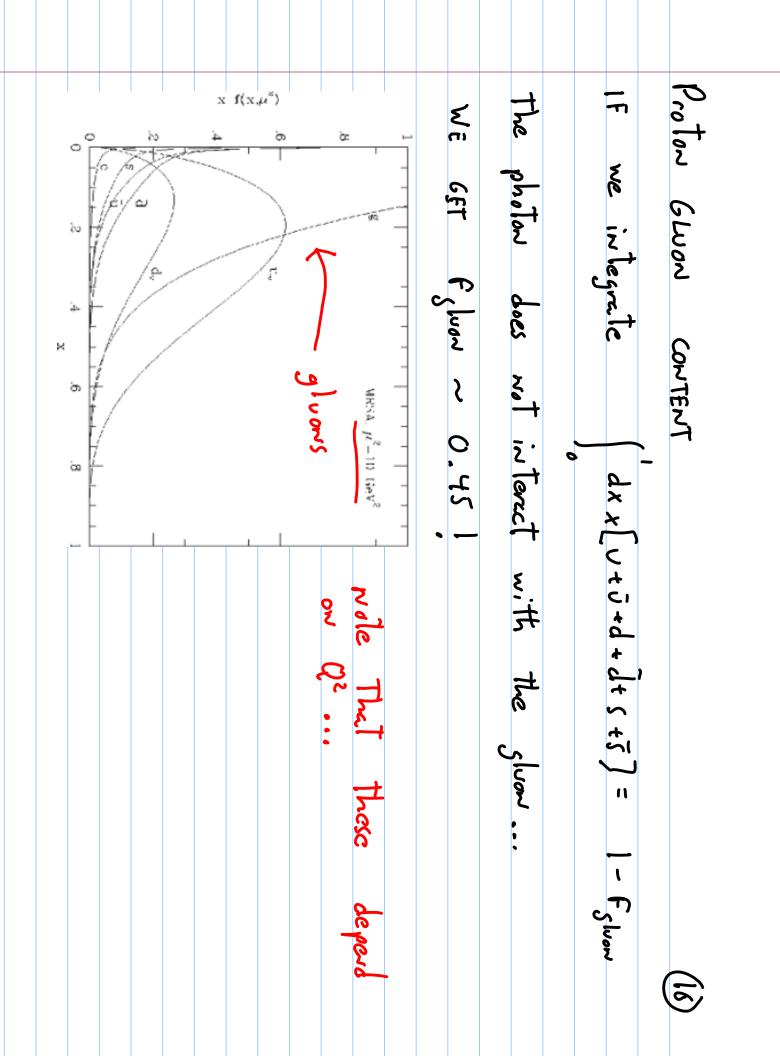
$ \int r(x) = d^{m}(x) = \bigcup \{x\} d r(x) = \bigcup [x] d r($	We have a similar expression for $\frac{1}{x} F_{z}^{ev} = \left(\frac{2}{3}\right)^{2} \sum u^{v}(x) + \overline{u}^{v}(x) + \cdots$	-t neglect other heavy quarks	$\binom{8}{7} + \binom{7}{5} + \binom{7}$		F ₂	Proton QUARK CONTENT
proton UV UV dv (valence) Us ūs, ded, ses (sea)	expression for neutrons. + [N[x]] +	fv~Ks				S











										~ PROBLEX #1 : 7.8 in Quire	PRODUEM SET # 3		
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