

QUASIELASTIC = single nucleon knockout contribution to cross section

CONSIDER THE PROCESSES

$$\gamma_e(\bar{\gamma}_e) + A \rightarrow e^-(e^+) + p(n) + (A-1) \quad \text{CC}$$

$$\gamma_e(\bar{\gamma}_e) + A \rightarrow \gamma_e(\bar{\gamma}_e) + N + (A-1) \quad \text{NC}$$

AS A STARTING POINT

THEN

- integrate over d^3p_N to get CC inclusive cross section $\rightarrow$ relevant for " γ -detection" $\rightarrow$ (and also on d^3p_N)
- integrate over d^3k' to get NC cross section $\rightarrow$ relevant for nucleon structure studies

