

TWO-BODY PHOTOABSORPTION (γ, pn)

- Levinger (1951) Phys. Rev. 84, 43

QUASI-DEUTERON MODEL

$$\sigma = L \frac{N^2}{A} \sigma_d$$

L = Levinger parameter

σ_d = deuteron photodisintegration cross section

- Gottfried (1958) Nud. Phys. 5, 557

$$\sigma = F(P) S_{fi} \delta(E_i - E_f)$$

$F(P)$ = probability of finding two nucleons with total momentum P

S_{fi} = matrix element of the relative part of the transition operator. It contains dynamical correlations