

FINAL STATE

$$X^{(-)} = \langle \Phi_B | \vec{r}_1 \vec{r}_2 | \Psi_f \rangle$$

$$V = \underbrace{V_{1B} + V_{2B}} + V_{12}$$

- V_{1B}

phenomenological optical potential

- V_{2B}

→ V_{12} neglected

$$X^{(-)}(\vec{r}_1, \vec{r}_2) = X_{\vec{p}_1}^{(-)}(\vec{r}_1) X_{\vec{p}_2}^{(-)}(\vec{r}_2)$$

V_{12} perturbative Treatment

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