

INITIAL STATE (first approach)

- $\langle \Phi_B \vec{r}_1 \vec{r}_2 | \Psi_0 \rangle = \phi_{JM}(\vec{r}_1 \vec{r}_2) \chi_{T_3}(\vec{r}_1 \vec{r}_2) f(|\vec{r}_1 - \vec{r}_2|)$
- ϕ_{JM} SM pair function
coupled and fully antisymmetrized
- $f(|\vec{r}_1 - \vec{r}_2|)$ correlation function SRC

→ only SRC

→ final state 2h state in the SM
 J^π
 $(n_1 l_1 j_1, n_2 l_2 j_2)^{-1}$