

$$\begin{array}{c}
 |\psi\rangle \\
 \hline
 \times \\
 | \\
 \text{P} \\
 | \\
 \times \\
 \hline
 |\phi\rangle
 \end{array}
 \left. \vphantom{\begin{array}{c} |\psi\rangle \\ \hline \times \\ | \\ \text{P} \\ | \\ \times \\ \hline |\phi\rangle \end{array}} \right\} \hat{S}^P |\psi\rangle \otimes |\phi\rangle$$