

$$u_1(x) = \sqrt{\frac{E+m}{2m}} \begin{pmatrix} 1 \\ 0 \\ \frac{p_3}{E+m} \\ \frac{p_1+ip_2}{E+m} \\ 0 \\ \vdots \\ 0 \end{pmatrix} \leftarrow \text{5~256 行 " 0 "},$$