

$$\hat{H}_{\text{SE}} = \chi(t) \boldsymbol{\alpha} \cdot \hat{\boldsymbol{\sigma}} \otimes \hat{O}. \quad (2)$$

$$\hat{H}_{c1}\hat{H}_{c1s}c1\hat{H}_{c1}E_{c1}\hat{H}_{c1}S_{Ec1} \quad (1)$$

[illegible]