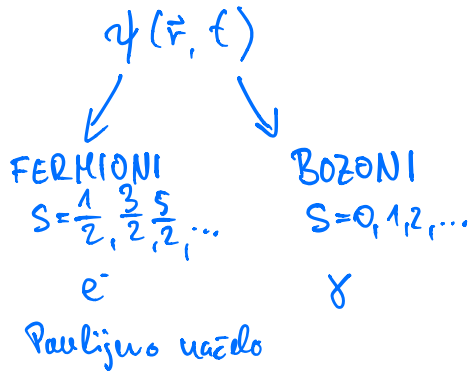


SNOV IN SEVANJE



vakuum

$\hat{a}^\dagger |0\rangle = |1\rangle$
 $\hat{a}^\dagger \hat{a}^\dagger |0\rangle = |2\rangle$
 $\hat{c}^\dagger |0\rangle = |1\rangle$
 $\hat{c}^\dagger \hat{c}^\dagger |0\rangle = 0$ (Paulijevo prepoved)

$\hat{c}^\dagger \rightarrow$ kreacijski operator
 $\hat{c} \rightarrow$ anihilacijski operator

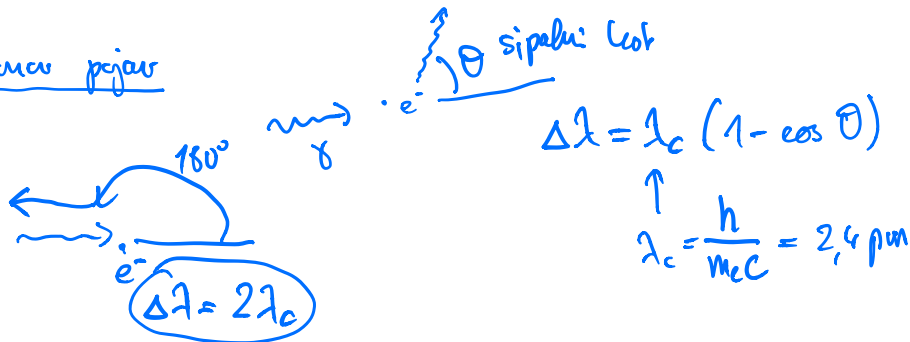
$\hat{c} |1\rangle = |0\rangle$

Kvantna teorija polja

$h = 6,63 \cdot 10^{-34} \text{ Js}$

$\hbar = \frac{h}{2\pi} = 1,05 \cdot 10^{-34} \text{ Js}$ $v = c$

Comptonov pojav



$E_{\text{zračnika}} = E_{\text{elektrona}}$

1923

1927 (Nobelova)

$P_{\text{zračnika}} = p_{\text{elektrona}}$

