



$$E_{II} = 3\hbar\omega_0$$

10 x entartet

2 x entartet

$|0\uparrow\rangle_1 |0\uparrow\rangle_2 |0\uparrow\rangle_3$

$|0\downarrow\rangle_1 |0\downarrow\rangle_2 |0\downarrow\rangle_3$

$|1\uparrow\rangle_1 | \quad | \quad |$

$$\downarrow(\pm) \frac{1}{\sqrt{3}} \hat{A} |0\uparrow\rangle |0\downarrow\rangle |1\uparrow\rangle -$$

→ Basis-Darstellung

$$|0\uparrow\rangle_1 |0\downarrow\rangle_2 |0\downarrow\rangle_3 - |0\downarrow\rangle_1 |0\uparrow\rangle_2 |0\downarrow\rangle_3$$

$|\psi_{\text{vac}}\rangle$

... alle Eigenfunktionen des ...

