

DKM true (# assume 1907 & zero rector then $TM = e^{i\phi}/\mathcal{X}$ $T = e^{i\phi}/\mathcal{X}$ T =so if T/2> = e'\$/1/2>, then T2/27 = 127, or T2 = 1 if T2=-1 -> T/27=-127 -> so 127 3 zero vector any system -N electrons, intending $E \neq 0$ $\Rightarrow B=0$ if T2 = (-1) (net spin/2) - D 2 fold degeneracy in energy spectrum (Kramer's Thm) act on spin up TE 1+> = (-10) (0)*= (-1) = -1-> What about effects of spin from election in a B field? elections have a magnetic moment: $\tilde{\mu} = g\left(\frac{-e}{2meC}\right) \tilde{S}$ $H_{spin} = -\vec{n} \cdot \vec{B} = \frac{ets}{m_{ec}} \left(\frac{9}{2}\right) S_3$ Spin up & spindown have different energies $\Delta E_{Rt} = \frac{eRt}{meC} \left(\frac{q}{2}\right)$ DELLI = En = KWB = REC 0 yo? in vaccom, g & 2 DEspin = DEILL physics MOSFET (GaAs)
Interactions change me -> Me eff \$ g-v gerp DEspin ~ 70 DELL (Zeemaneffert) * not relevant for materials

