Aufgabe 51 Pif = #2 1 28 (4) e dt 12 Us: (+) = < 43 | Hind (+) 141 > 40 = (mu) 14 - mux | 4 - mu x | 4 Hint(1) = \$\phi(1) d + \tag{P} \phi(1) = \tag{E}(1) = \tag{V} \tag{E}(1) = \tag{E}(1) = \tag{V} \tag{E}(1) = \tag{E}( Who = 8 mis 12 Foge x e m x2 = 1 = to fe = 2[mw]3/2 = 12mw to fe de Por = n2 / I'm Eage e ( to t / d+/2 Aufgabe 53 Spin 1/2 E= ZE1+1/2 = 3 1/2 13 14 1/2 Spin-3 E=3En = 3 12 172 Spin 0: E=3E1 = 8 m/2 (2) Boson: 4(Kuly &) = N. Cos ( 11 ) . Cos ( 11 /2 ) - Cos ( 11 /2 )

