H= M2 Pathra 2.4 M= (M2+M2) => Volume in phase = M2(2T)2 The (ET) factor comes from DE [0, 24], \$ E [0, 24] Each state occupies h = 7 # microstates below M is given by  $\frac{(277)^2 M^2}{h^2} = \frac{(M)^2}{h}$ . For M= TiGitot, (M) = jGt) the degeneracy 3 then given by (M;)2 - (M;-1)22; If  $j=0,1,2,\ldots$ , the degeneracy is  $0,2,4,\ldots$ Clearly, the latter is the more agreeable degeneracy since In quantum mechanics, we know the degeneracy is given by projection on to the Z-axis, which gres 13, 5,7, ---SELENDENTE TOUR SELECTION OF THE PROPERTY OF T