Chapter 6 : Ideal gases our gas
Classical when part, ore competing for same quantum state examme this. Introduce part. Nymberty

n=/N/V conits L average spacing of part a assume interparticle force our gas is ideal if ont Fixes criterion for ideal
gas behavior
When quantu effects important The lattempotion of given state for classical behavior n/ <<1

In quasi class Irmit (31) #5+11/05 201/4 = dimension less To 2 21th what is DP what is D △p~F; △q=90 102 ~ P90 = 20 7 5 De de Brajline wovelength 90>>>/18 > classical behavior (BT>> \frac{k^2}{2maz} Znk = N