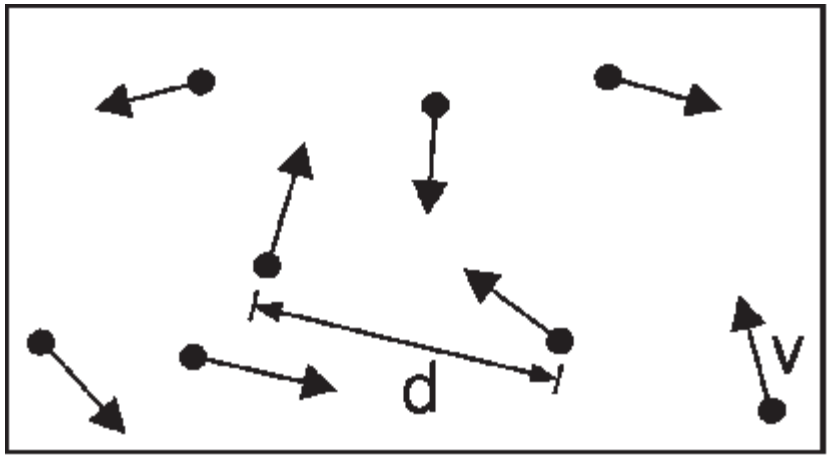
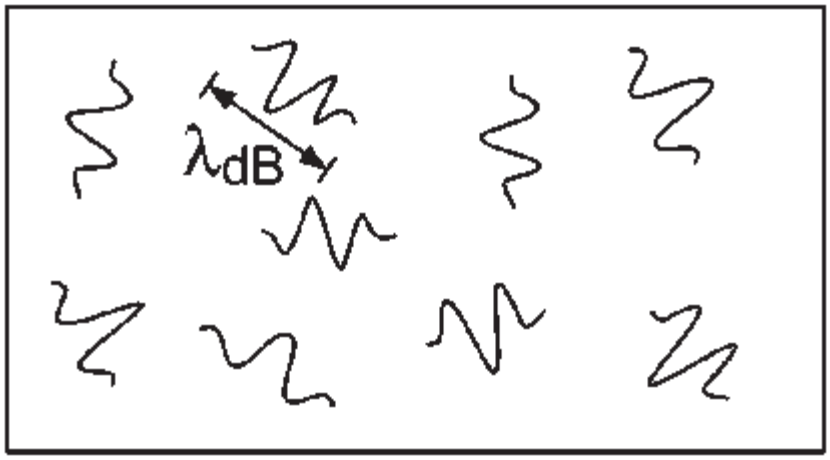


High Temperature T:

thermal velocity v

density d^{-3}

"Billiard balls"

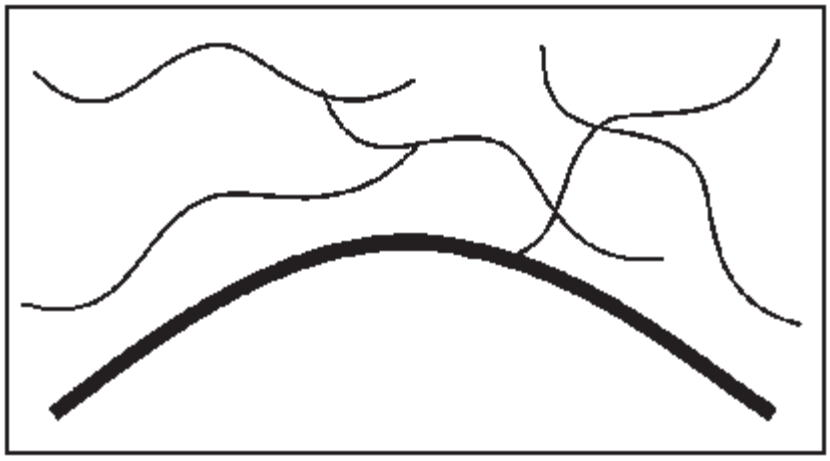


Low Temperature T:

De Broglie wavelength

$\lambda_{dB}=h/mv \propto T^{-1/2}$

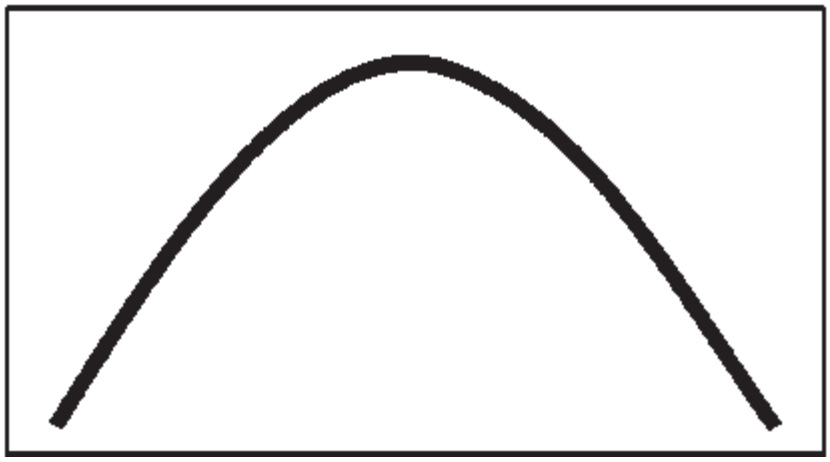
"Wave packets"



$T=T_C$: BEC

$\lambda_{dB} \approx d$

"Matter wave overlap"



T=0: Pure Bose condensate

"Giant matter wave"