BOG (HW 2003 6.1) (Old), neuter version on anther page)
Universe, black body adiation: d) Abidbatic expunsion because Univer the system > DQ=0=TAS > AS=0 P) now Nosh S= Utpv=4 U VT3 = const > Vazv -> Ta zis $C) \frac{U}{V} = \frac{\pi^{2} e^{4}}{15h^{3} e^{3}} T^{4} \approx S \times 10^{-13} erg$ $\sqrt{(75)/2V} = \frac{1}{2} \cdot \frac$ B26 Vs=B=Vap advabat

 $V_g^{2} = \frac{P_f^2}{m^2} \quad \text{at } T=0 \quad P=P_0 \quad (pressure)$ $\frac{V_s^2}{V_g^2} = \frac{SPVm}{NP_f^2} = \infty \quad \frac{1}{3}$