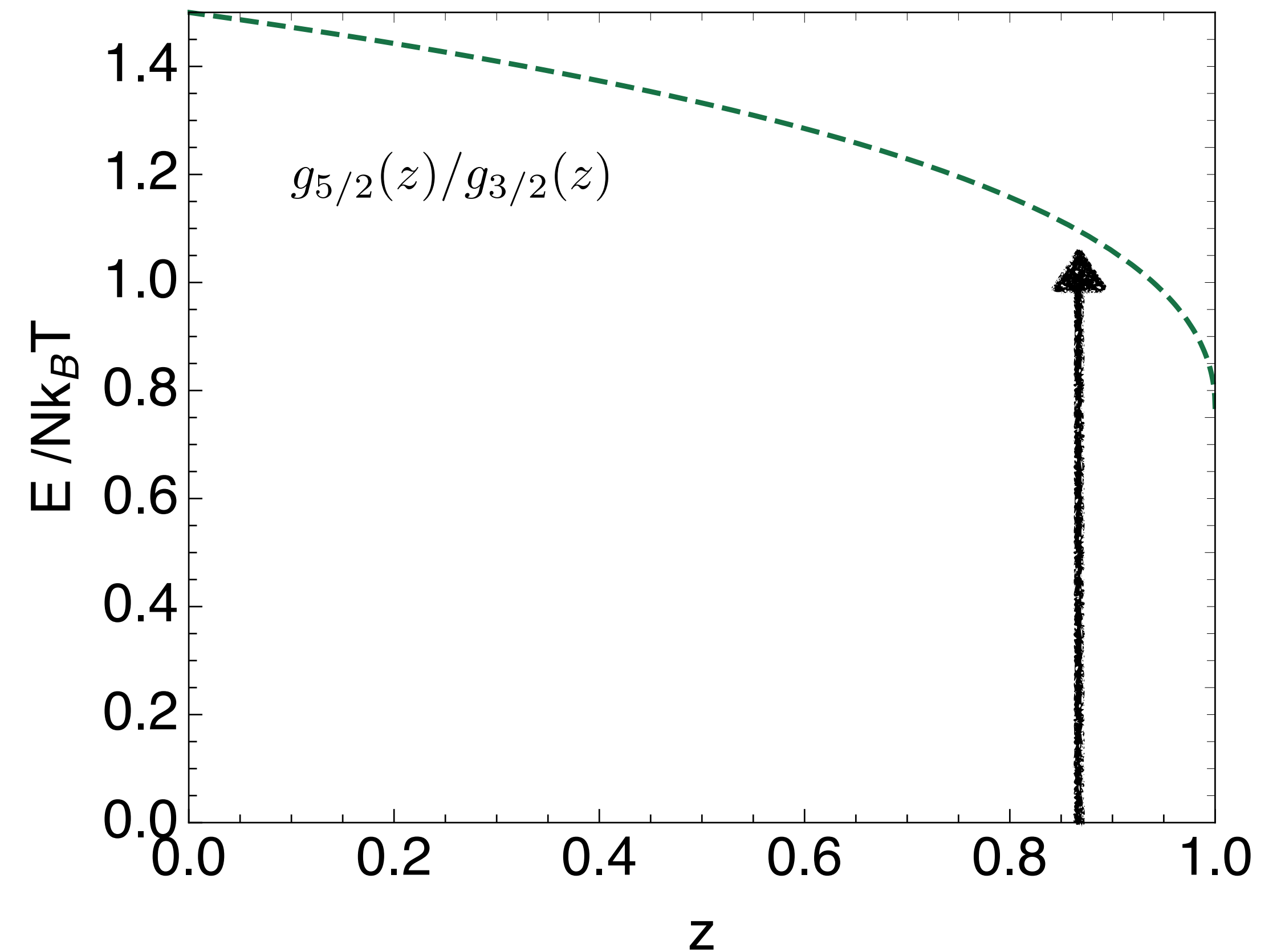
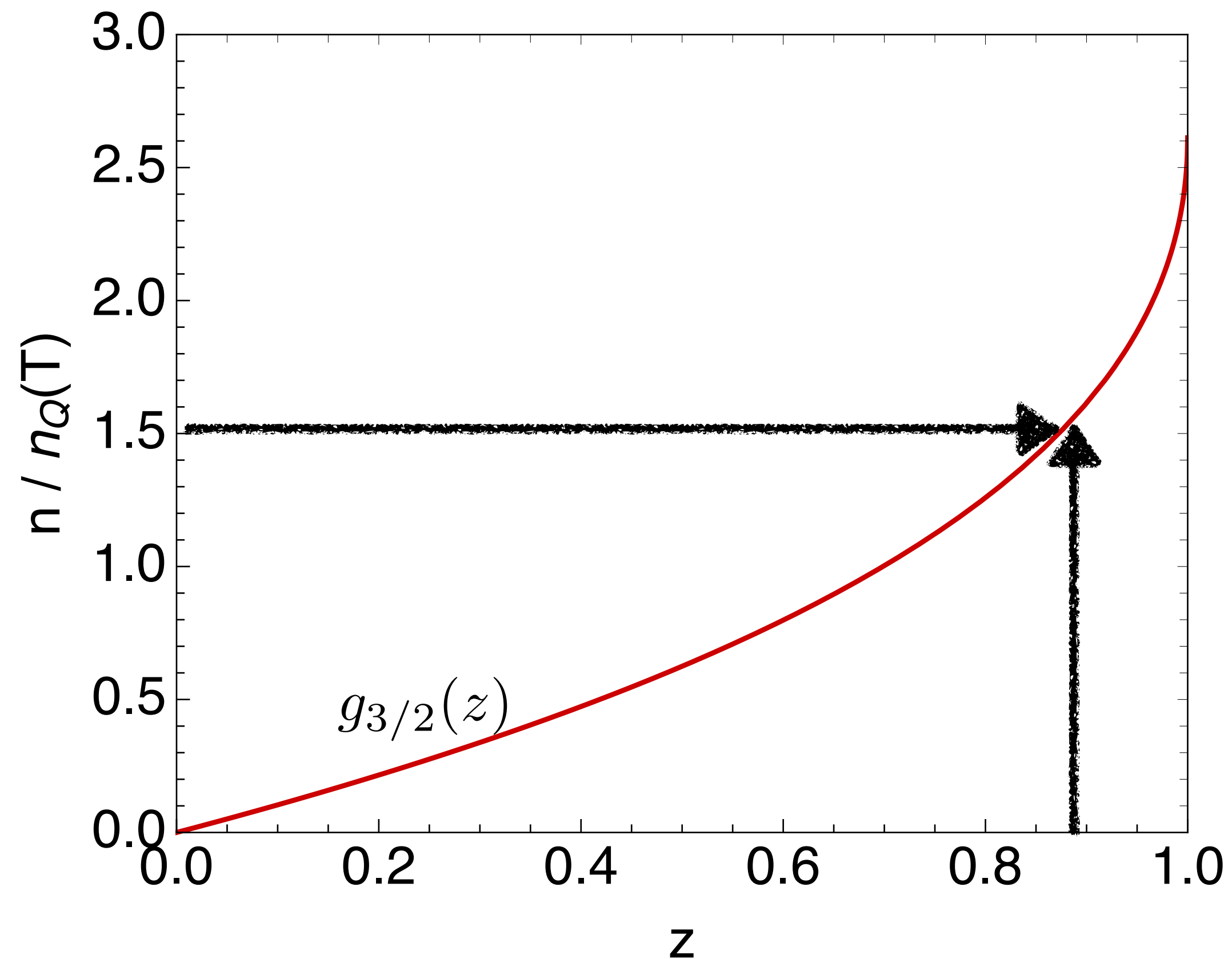
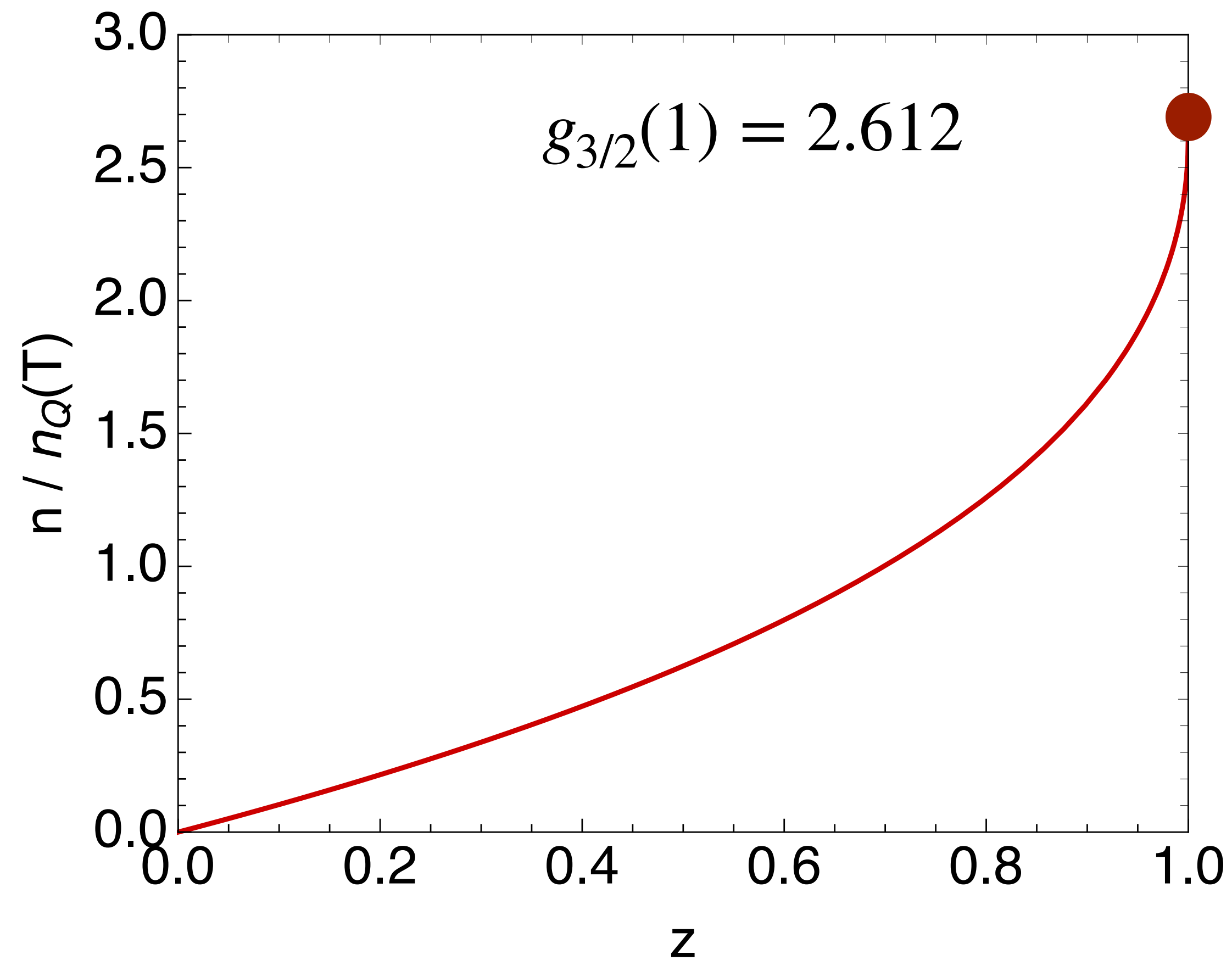


Bose Gas: A Graphical Solution



The density (in units of the concentration) determines the fugacity $z = e^{\beta\mu}$,
which determines $E/Nk_B T$

The condensation point



For any given temperature T , there is a critical density, $n_c = 2.612 n_Q(T)$.

Or vice versa there is a critical temperature for any given density. Solving

$$kT_c = \frac{h^2}{2\pi m} \left(\frac{n}{2.612} \right)^{2/3}$$

When $z \rightarrow 1$