Restoration of Chiral Symmetry

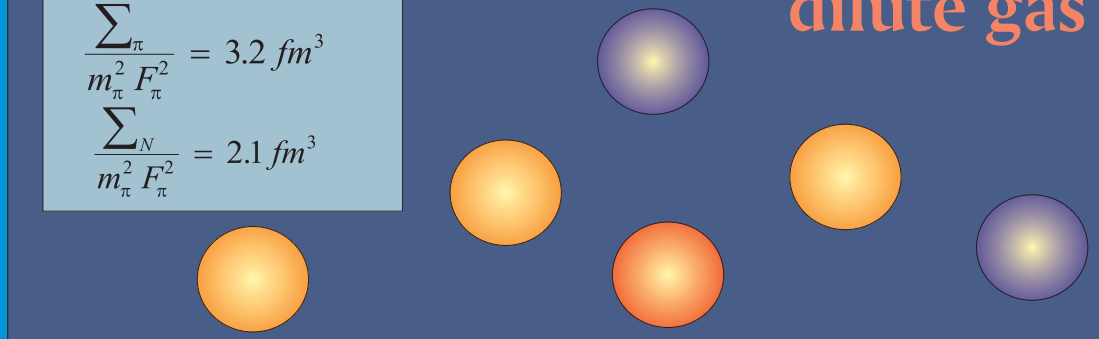
$\langle \bar{q}\, q \rangle = -1.8\, fm^{-3}$

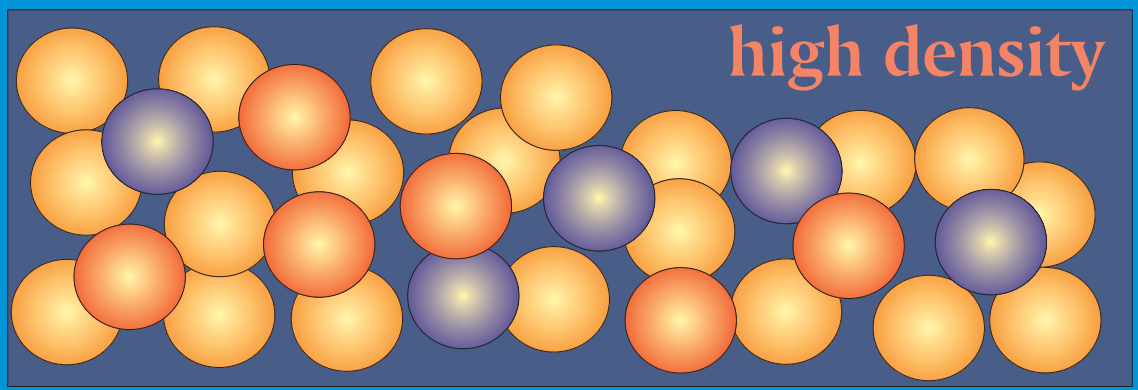
vacuum

$\frac{\Sigma_\pi}{m_\pi^2 F_\pi^2} = 3.2\, fm^3$

$\frac{\Sigma_N}{m_\pi^2 F_\pi^2} = 2.1\, fm^3$

dilute gas





high density