$\Delta a_0 = 0.0003$ X \times \times \times X \times \times \times \times \times \times \times \times \times \times \times \times \times \times \times \times \times \times 10^{-8} X \times \times 695 mass 580 465 X 350 235 X X X \times \times X 10^{-10} 10^{-10} 10^{-12} 10^{-11} viscosity v_s