

Using fixed bare Coulomb interactions  $V_1, V_2$

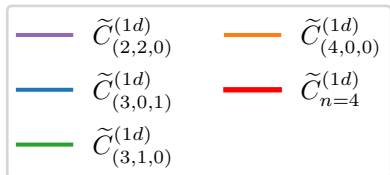
$$r_s = 1, \beta\epsilon_F = 200,$$

$$\lambda = 2\epsilon_{\text{Ry}}, N_{\text{eval}} = 5.0\text{e}8,$$

$$\epsilon_{\text{TF}} \equiv \frac{\hbar^2 q_{\text{TF}}^2}{2m_e} = 2\pi\mathcal{N}_F \text{ (a.u.)}$$

$$\tilde{C}_{(\cdot)}^{(1d)}(k) \equiv C_{(\cdot)}^{(1d)}(k) / \epsilon_{\text{TF}}^2$$

$$\tilde{C}_{n=4}^{(1d)} = \tilde{C}_{(4,0)}^{(1d)} + \delta\mu_1 \tilde{C}_{(3,1)}^{(1d)} \\ + \delta\mu_1^2 \tilde{C}_{(2,2)}^{(1d)} + \delta\mu_2 \tilde{C}_{(2,1)}^{(1d)}$$



$k/k_F$