

$$S = \int d^{d+1}x \ (\mathcal{L}_1 + \mathcal{L}_2 + \mathcal{L}_3)$$

$$\mathcal{L}_1 = i\tau_i D_0 A_i + (1/2)[\tau^2 + (\partial_i \lambda)^2 + B^2]$$

$$\mathcal{L}_2 = i\partial_i \lambda D_i A_0 - \partial_i \bar{c} D_i c + \partial_i \bar{\varphi}_j D_i \varphi_j - \partial_i \bar{\omega}_j D_i \omega_j$$

$$\mathcal{L}_3 = \gamma^{1/2} g f^{abc} A_j (\varphi_j - \bar{\varphi}_j)$$