

$$E_{\text{tcr}} = \overbrace{W_{1B} \left(\sum_i^{n_{\text{res}}} W_x \min(A_{ix}) + \dots + W_y \min(A_{iy}) \right)}^{\text{one-body}} + \overbrace{W_{2B} \left(\sum_j^{n_{\text{atom}}} W_x \overline{R_{ix}} + \dots + W_y \overline{R_{iy}} \right)}^{\text{two-body}}$$