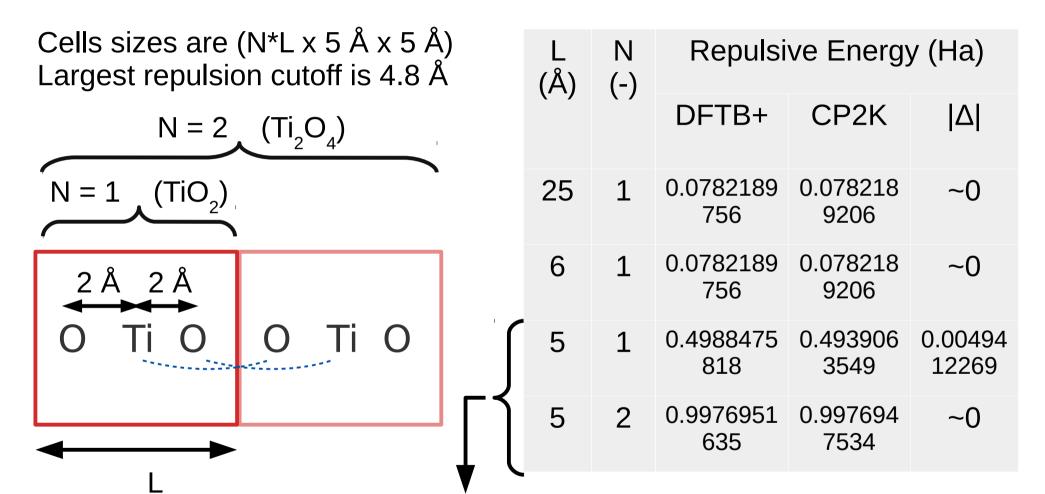
Linear TiO₂ chains -- DFTB+ versus CP2K



CP2K results not 'size-extensive', suggesting some interaction is missing in the (L=5, N=1) case. The $|\Delta|$ value is matched exactly by twice the repulsive energy between O and Ti at 3 Å (pairs with dashed blue lines). The cutoff for the O-Ti repulsion amounts to 3.39 Å.