

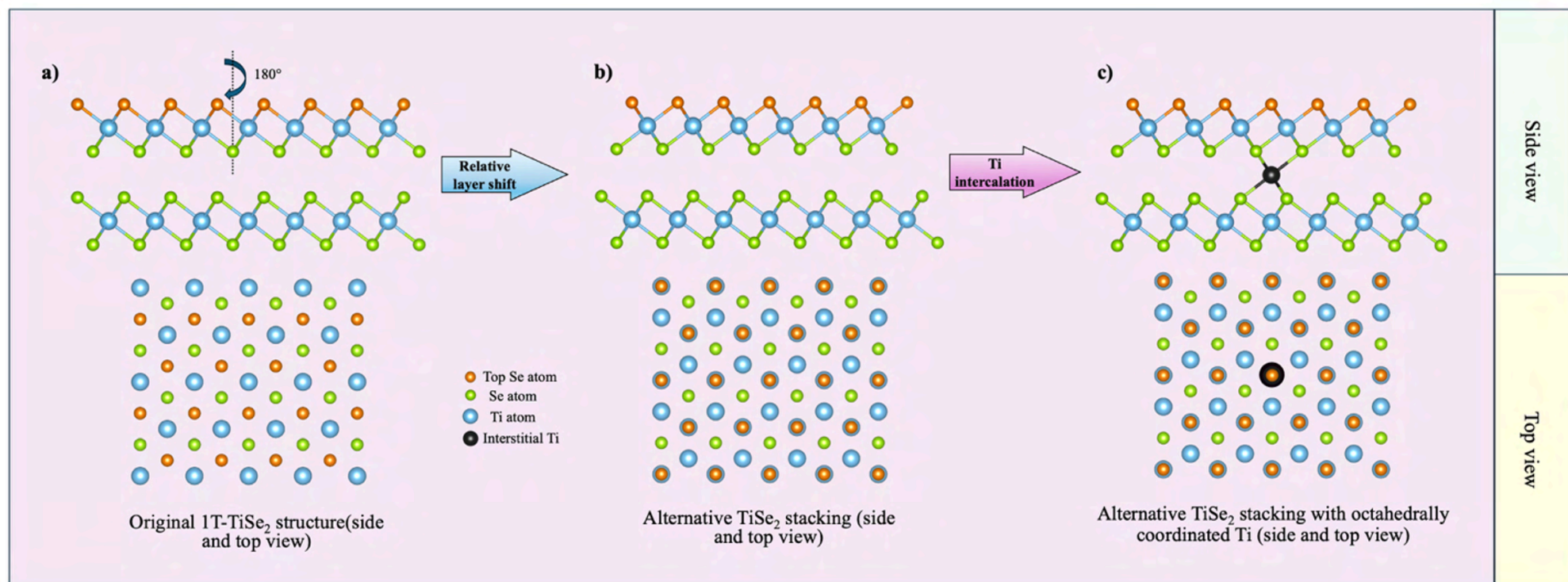


Figure. Structural transformation from 1T-TiSe₂ to the proposed alternative stacking structure. a) Regular 1T-TiSe₂. A 180° rotation around an axis centered on a bottom-Se atom of the top layer results in b) the proposed alternative stacking structure. c) Alternative stacking structural model containing an octahedrally coordinated Ti interstitial aligned with a top-layer Se atom.