$T = p\,a_1 + q\,a_2$

a_1

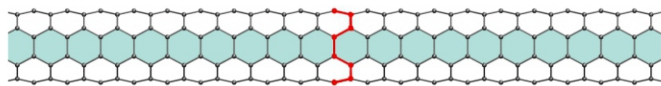a_2

$(n,0)$ *zigzag*

$C_h = n\,a_1 + m\,a_2$

$(n,0<m<n)$ *chiral*
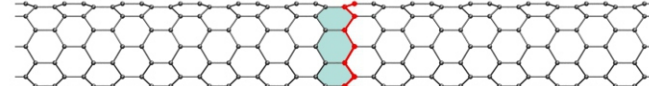
$(n,m=n)$ *armchair*
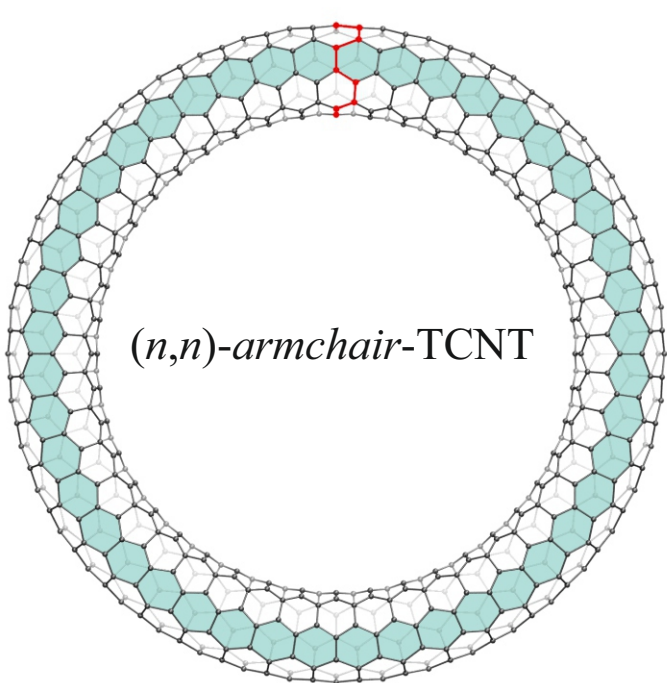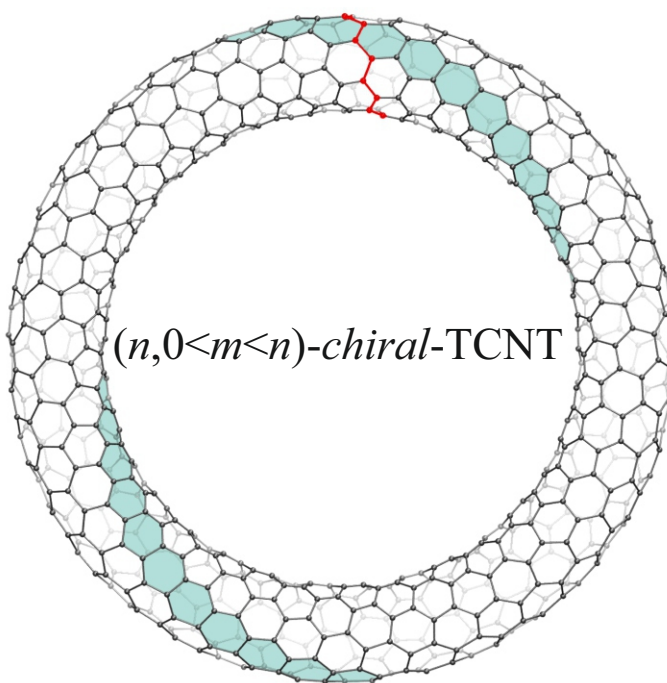
(n,n)-*armchair*-CNT

$(n,0<m<n)$-*chiral*-CNT
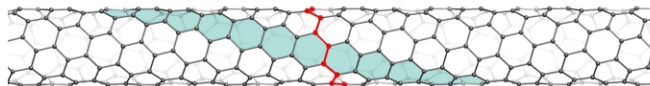
$(n,0)$-*zigzag*-CNT

(n,n)-*armchair*-TCNT

$(n,0<m<n)$-*chiral*-TCNT

$(n,0)$-*zigzag*-TCNT