

IVDW = 10	C3 at K	C3 at -K	C3 at $\Gamma$	Chern number
11916	$\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	$\pi$ ( $\uparrow$ )	1 ( $\uparrow$ )
11915	$-\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	$\pi$ ( $\downarrow$ )	-1 ( $\downarrow$ )
11914	$\pi/3$ ( $\downarrow$ )	$-\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	1 ( $\uparrow$ )
11913	$-\pi/3$ ( $\uparrow$ )	$\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	-1 ( $\downarrow$ )
11912	$\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	$\pi$ ( $\uparrow$ )	-2 ( $\uparrow$ )
11911	$-\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	$\pi$ ( $\downarrow$ )	2 ( $\downarrow$ )
IVDW = 4	C3 at K	C3 at -K	C3 at $\Gamma$	Chern number
11916	$-\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	$\pi$ ( $\downarrow$ )	1 ( $\uparrow$ )
11915	$\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	$\pi$ ( $\uparrow$ )	-1 ( $\downarrow$ )
11914	$-\pi/3$ ( $\uparrow$ )	$\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	1 ( $\uparrow$ )
11913	$\pi/3$ ( $\downarrow$ )	$-\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	-1 ( $\downarrow$ )
11912	$\pi/3$ ( $\uparrow$ )	$-\pi/3$ ( $\downarrow$ )	$\pi$ ( $\downarrow$ )	-2 ( $\uparrow$ )
11911	$-\pi/3$ ( $\downarrow$ )	$\pi/3$ ( $\uparrow$ )	$\pi$ ( $\uparrow$ )	2 ( $\downarrow$ )