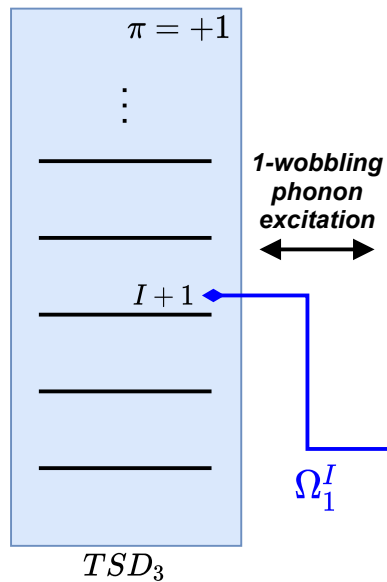
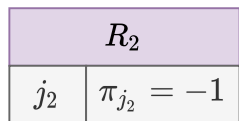


$$(n_{w_1}, n_{w_2}) : (0, 0)$$

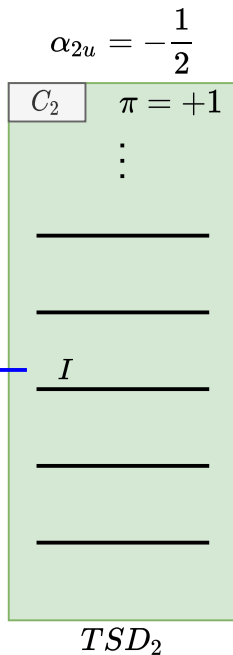


$$(n_{w_1}, n_{w_2}) : (1, 0)$$

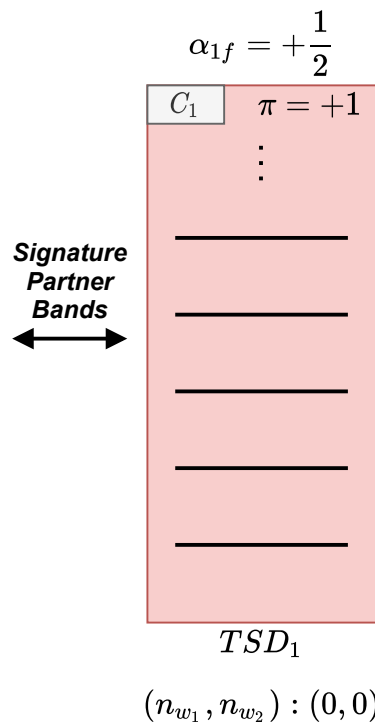
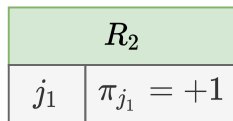
**1-wobbling  
phonon  
excitation**

$\longleftrightarrow$

$$\Omega_1^I$$



$$(n_{w_1}, n_{w_2}) : (0, 0)$$



$$(n_{w_1}, n_{w_2}) : (0, 0)$$

**Signature  
Partner  
Bands**

$\longleftrightarrow$

