

$$D \overset{\Phi}{\underset{\text{section}}{\longrightarrow}} L^2\left(S_\ell^{\mathbb{C}}\right)$$

$$\Phi_z \in H_z\colon \quad P_z\,\Phi_z = \Phi_z$$

$$\phi \in H_0 \rightarrow \Gamma\left(D\!:\!\mathcal{H}\right) \ni \phi^\sim$$

$$\phi_z^\sim = \hat{U}_z \underbrace{\check{U}_z}_{\phi}$$

$$\underbrace{g\cdot\Phi}_{g\cdot z}=\hat{U}_g\,\Phi_z\in H_{g\cdot z}$$