

$$\begin{array}{ccc}
\text{SWAP invariance} & & \\
su & \longrightarrow & \text{pisu} \\
\downarrow \text{exp} & & \downarrow \text{exp} \\
SU & \longrightarrow & \text{piSU}
\end{array}$$

The commuting diagram corresponding to $\text{pi}SU$. The restriction on the algebra creates pisu , which generates $\text{pi}SU$ via the exponential function, and all elements of the group SU can be restricted to be SWAP invariant to create $\text{pi}SU$.