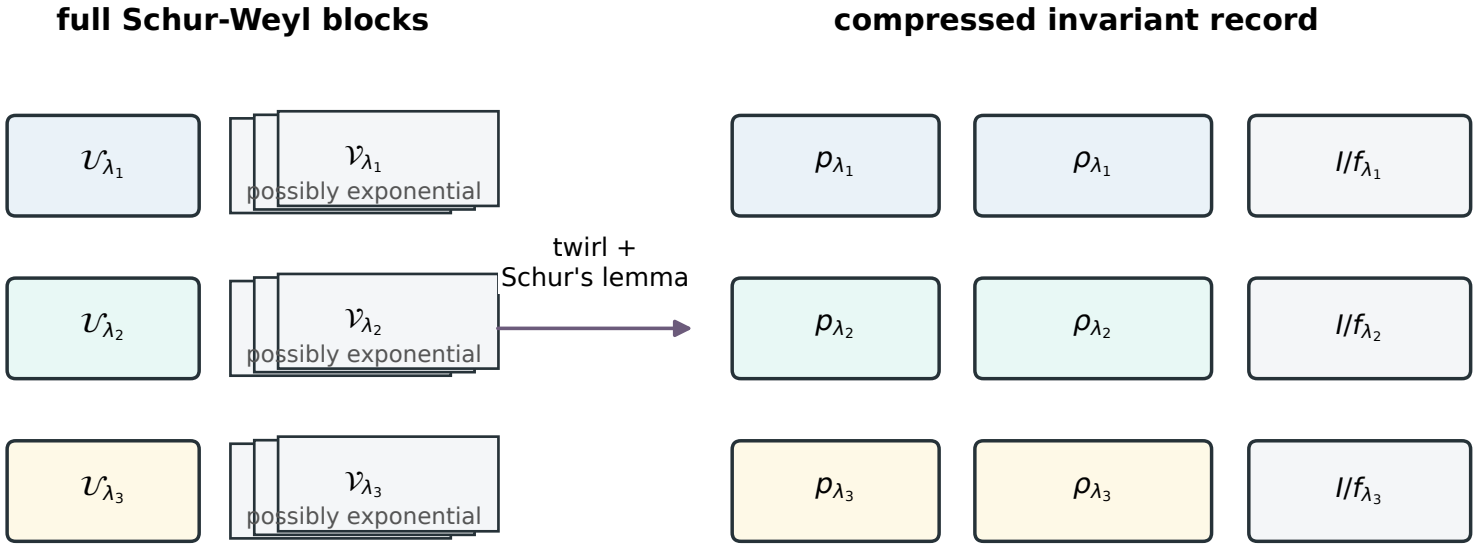
Schur commutant compression removes multiplicity coordinates exactly



multiplicity spaces may be huge
but appear only as exact identity factors

fixed local dimension d

$$\sum_{\lambda}(\dim \mathcal{U}_{\lambda})^2 = O_d(n^{d^2-1})$$

For qubits, the invariant mixed-state record uses only $O(n^3)$ parameters.