Rotated Surface Code Z-Memory: LER vs  $\tau/T_1$  $10^{-1}$ Error Model Distance d=3Pauli Twirling 0 d=5Composite Damping d=7d=11 10-2 10<sup>-3</sup> Logical Error Rate (LER)  $10^{-4}$ 10<sup>-5</sup> 10-6 10-3 10-2  $10^{-1}$ 

 $\tau/T_1$