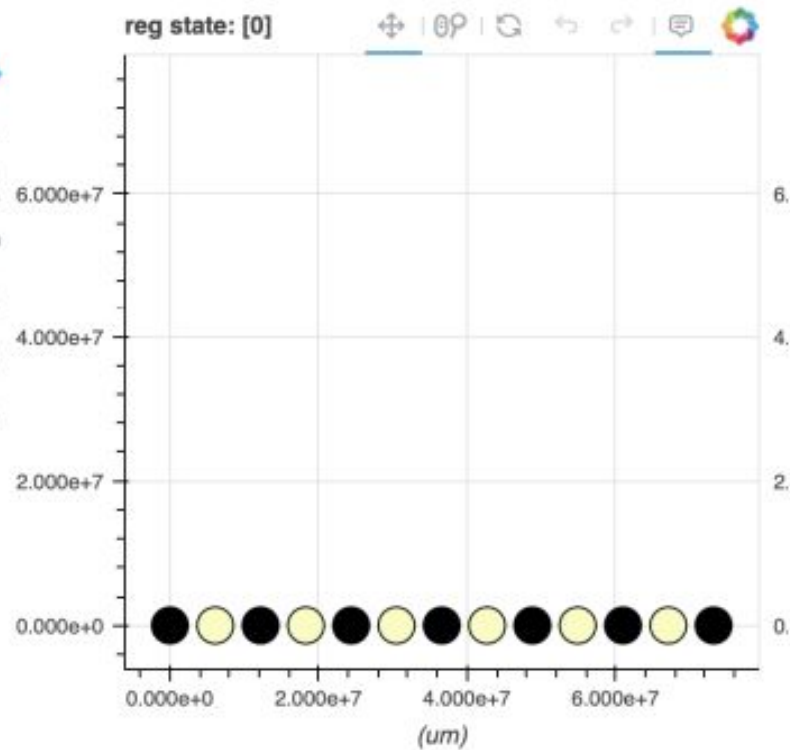
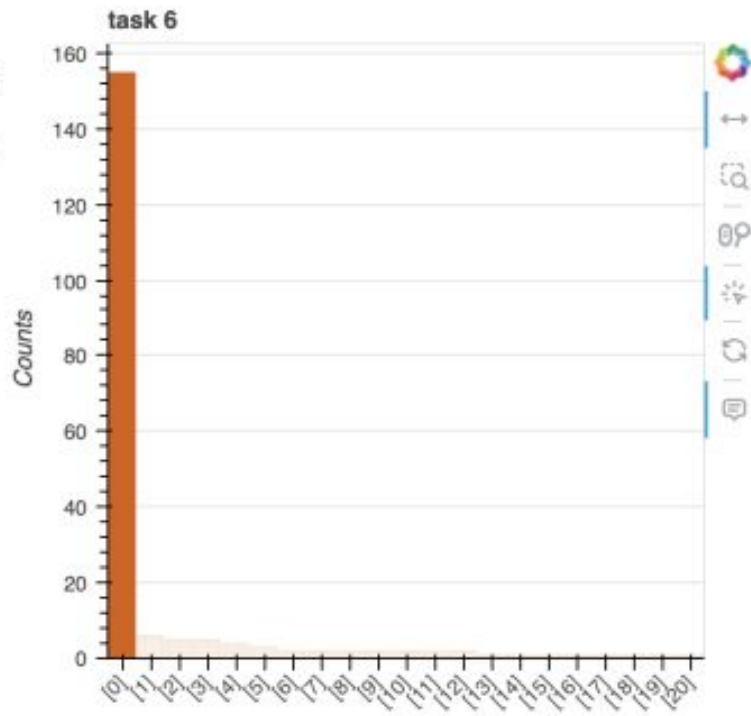
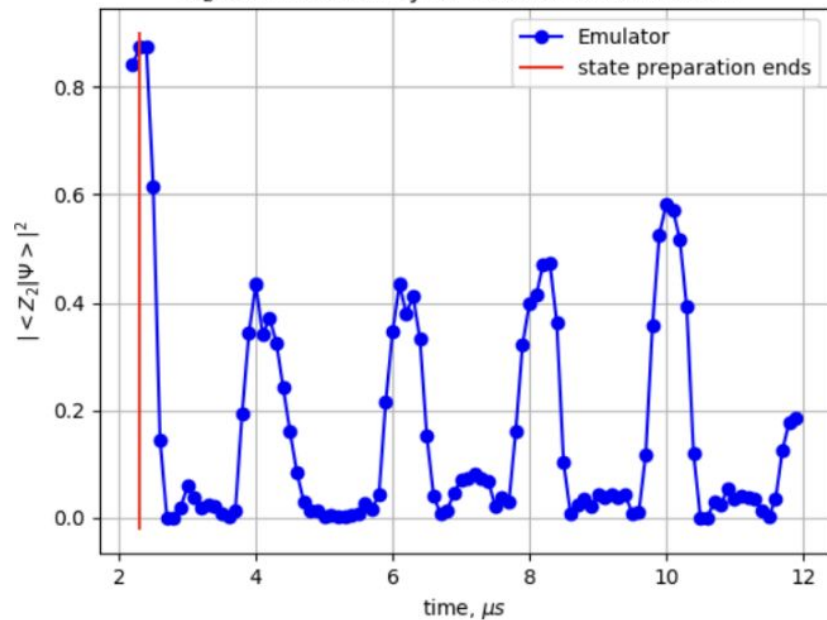


# Quantum Many-Body Scars: The Experimental Insights

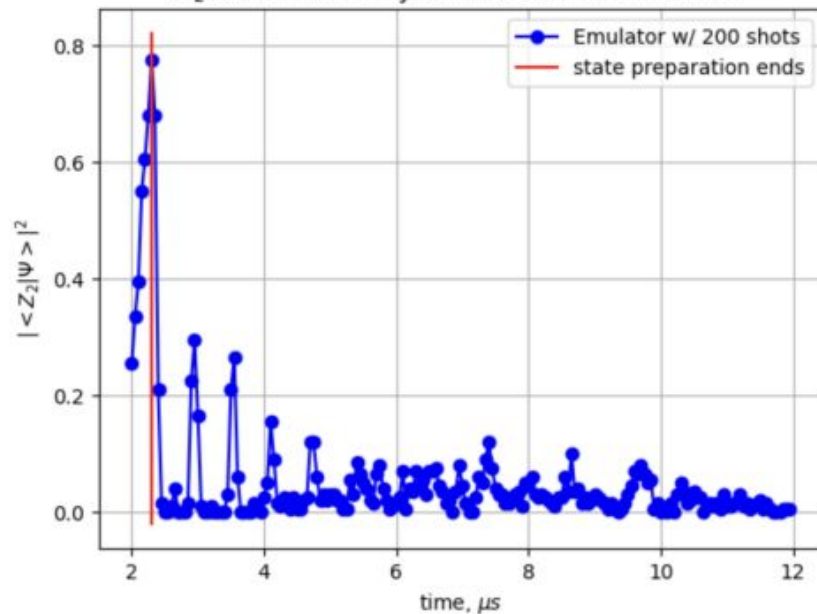
Adrian Harkness  
David Nizovsky  
Caden Kacmarynski  
Dmitrii Khitrin  
Xavier Moskala

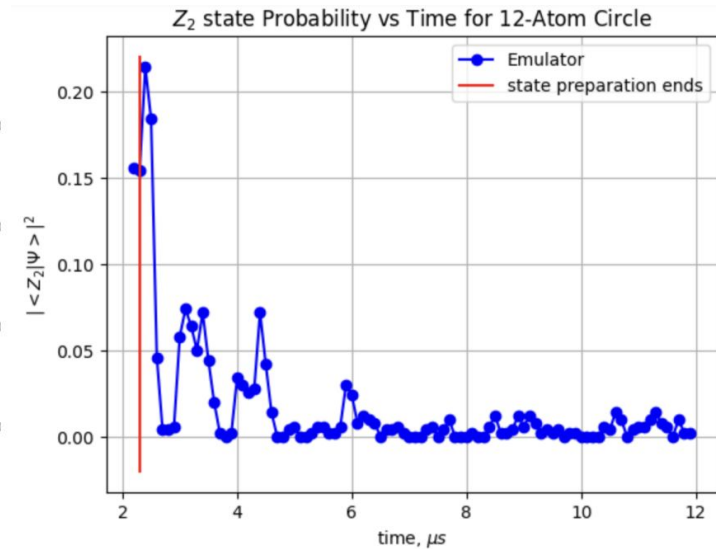
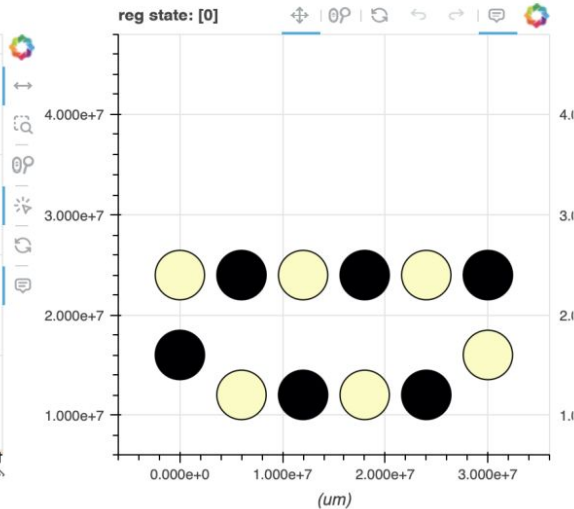
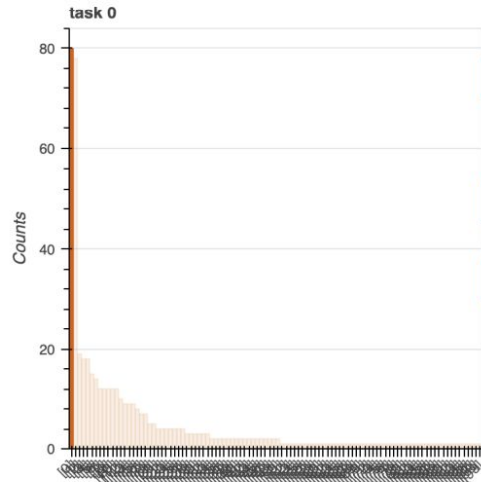


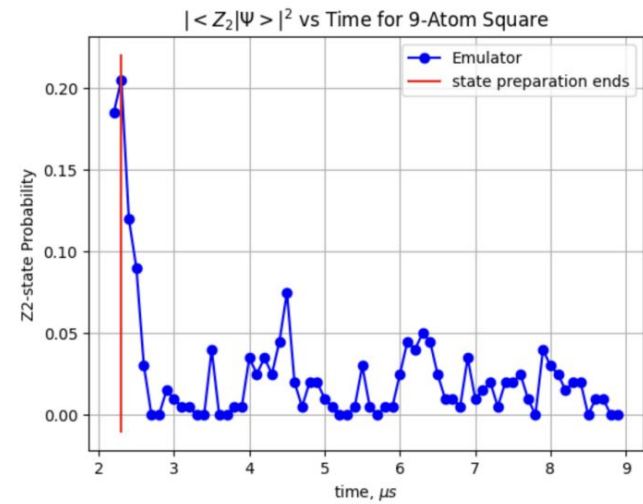
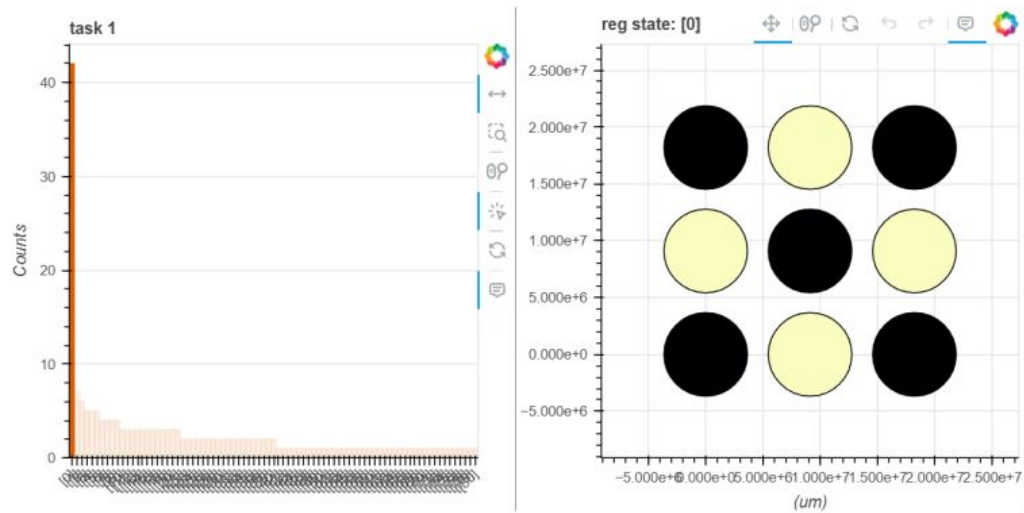
$Z_2$  state Probability vs Time for 9-Atom Chain

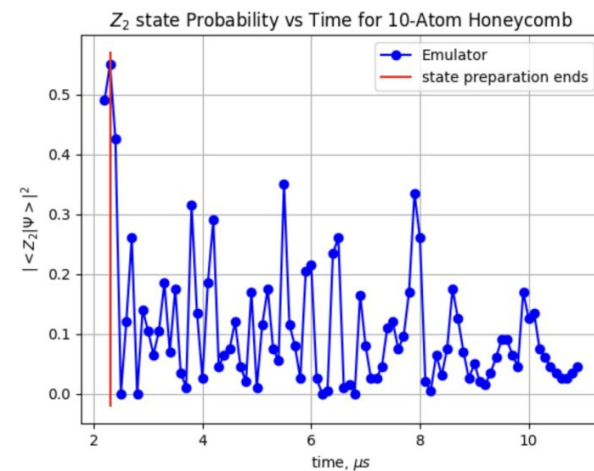
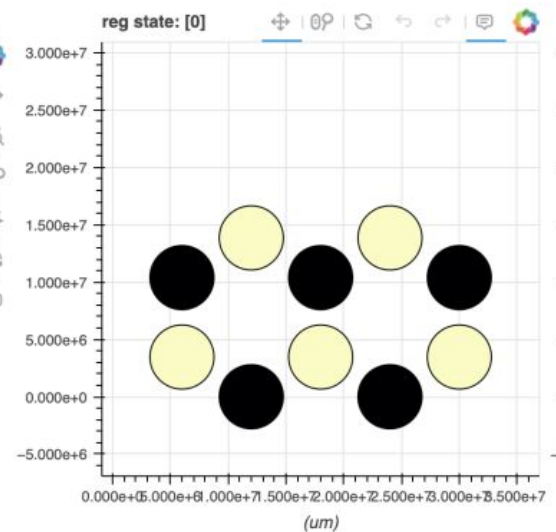
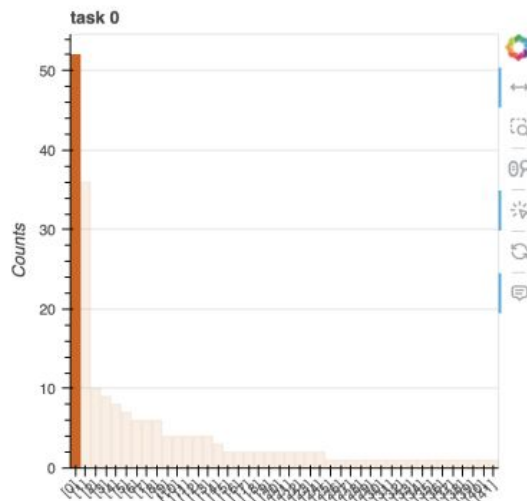


$Z_2$  state Probability vs Time for 13-Atom Chain









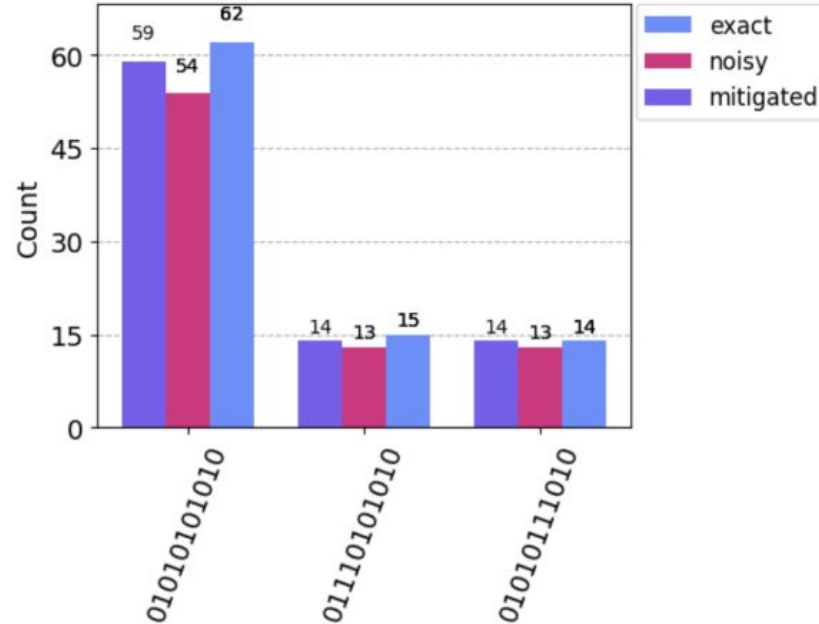


Figure 12: Example of error mitigation. Only three states with the highest probabilities are left for demonstration

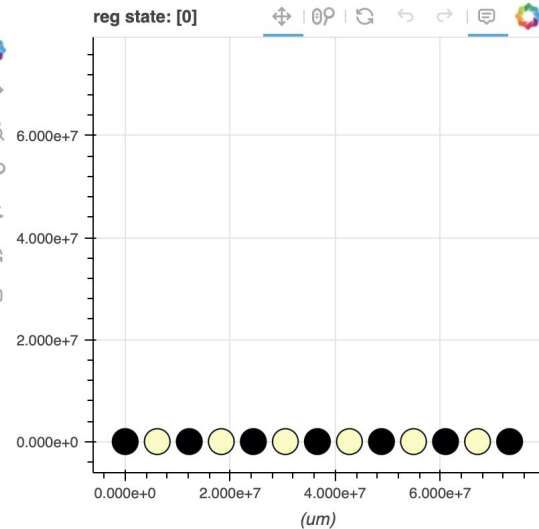
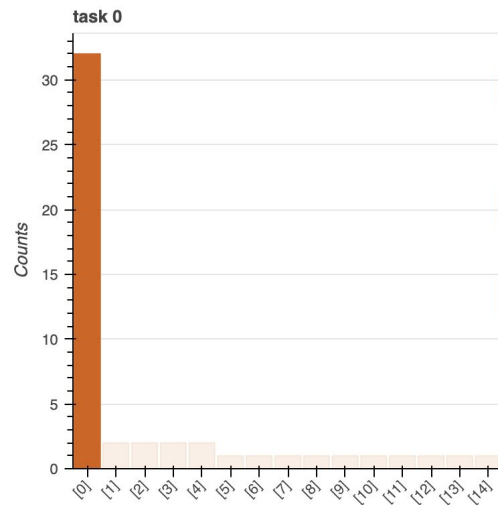
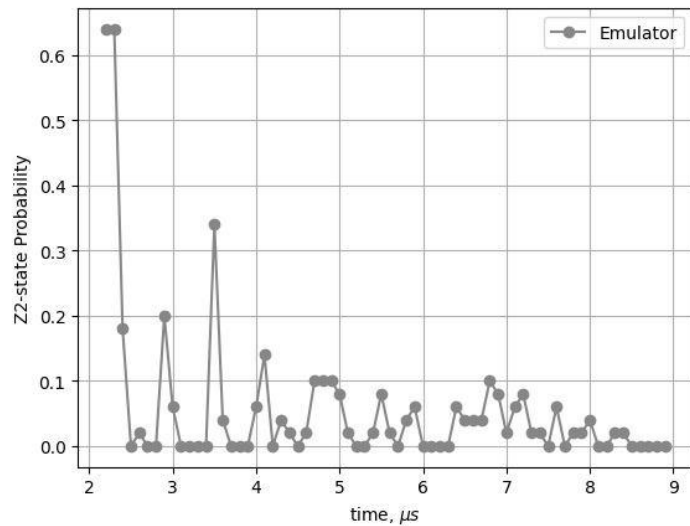


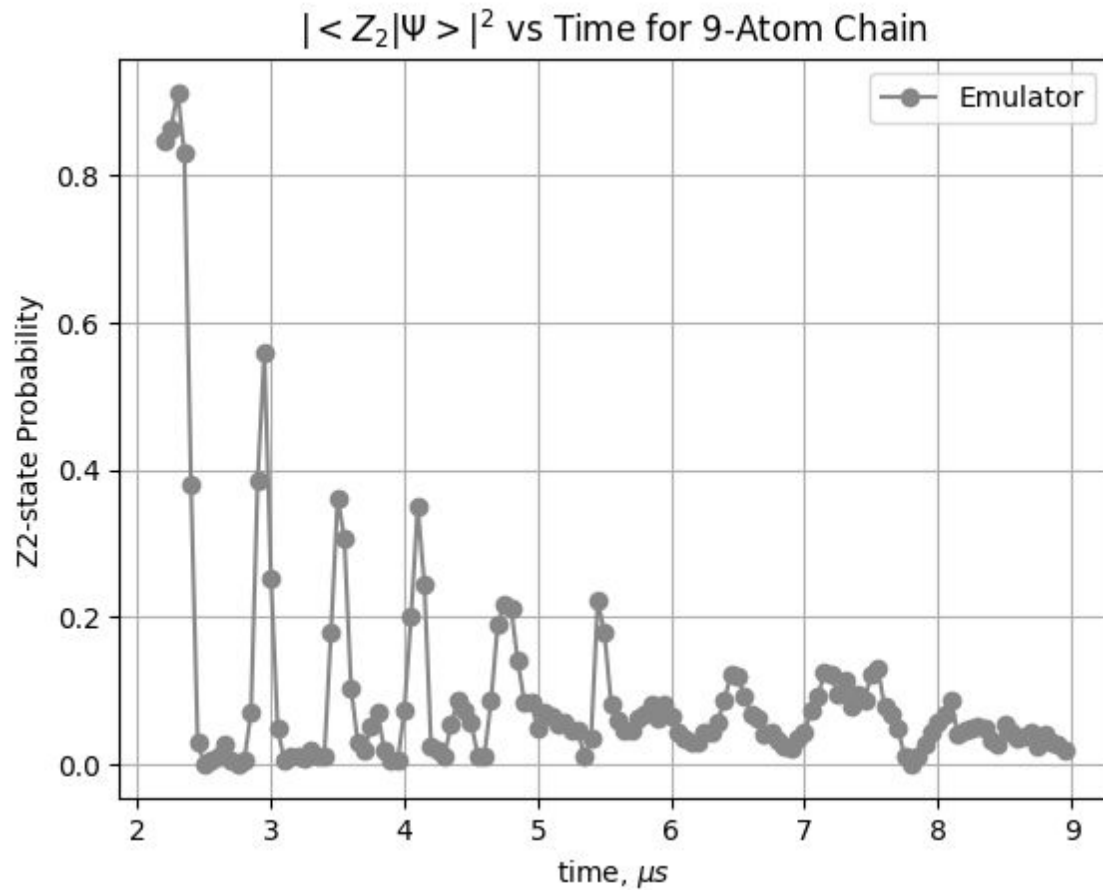


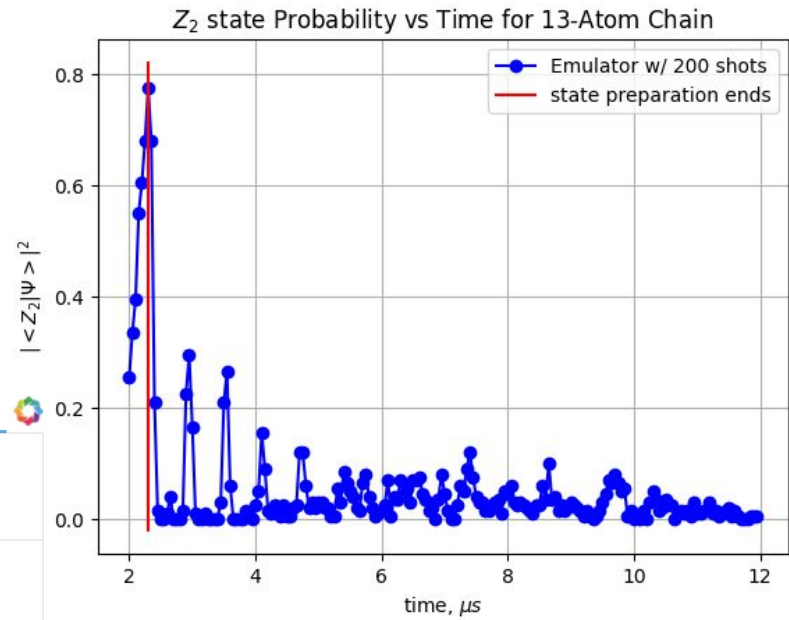












$Z_2$  state Probability vs Time for 9-Atom Chain

