# 5-Level Quantum Galton Board (Noiseless) (JS dist: 0.0082) Theoretical Observed 0.25 0.20 0.15 0.10 0.05 0.00 0.01 0.05 0.00 0.01 0.05 0.00 0.01 0.05 0.00 0.01

## **Circuit Statistics:**

Levels: 5 Total Shots: 8192

Distance Metrics: - JS Distance: 0.0082 - EMD: 0.0179 - TVD: 0.0100

# 5-Level Quantum Galton Board (With Noise) (JS dist: 0.0082) Theoretical Observed 0.25 0.20 0.15 0.10 0.05 0.00 0 1 2 3 4 5

## **Circuit Statistics:**

Levels: 5 Total Shots: 8192

Distance Metrics: - JS Distance: 0.0082 - EMD: 0.0179 - TVD: 0.0100

## Quantum Advantage in Galton Board Simulation

