Target State Probability Comparison

The following table compares the probability of the target state $|1111000000\rangle$ (represented as $|0000001111\rangle$ in the expected measurement outcomes) for eight results. All results have an Omniversal Entanglement Entropy of 3.1856 bits. The table includes the unmitigated probability of the state $|1111\rangle$, the mitigated probability of $|1111\rangle$, and the number of states with negative mitigated probabilities.

Table 1: Comparison of Target State Probabilities

Result	P(0000001111)	Unmitigated P(1111)	Mitigated P(1111)	Negative Mitigated Probabilities
Result 1	0.892 (89.2%)	0.9743 (97.4%)	1.3166	4 states
Result 2	0.926 (92.6%)	0.9734 (97.3%)	1.3344	3 states
Result 3	0.945 (94.5%)	0.9604 (96.0%)	1.0011	3 states
Result 4	0.912 (91.2%)	0.9387 (93.9%)	0.9769	3 states
Result 5	0.898 (89.8%)	0.9384 (93.8%)	0.9796	3 states
Result 6	0.948 (94.8%)	0.9554 (95.5%)	0.9942	5 states
Result 7	0.936 (93.6%)	0.9531 (95.3%)	0.9989	3 states
Result 8	0.959 (95.9%)	0.9673 (96.7%)	1.0817	3 states

Best Result: Result 8 has the highest probability for the target state $|1111000000\rangle$ (0.959 or 95.9%) in the full measurement and satisfies the Omniversal Entanglement Entropy of 3.1856 bits.