

RESULTS

July 29, 2025

Target State Probability

$$P(|1111000000\rangle) = 0.5000$$

Unmitigated Measurement Outcomes

$P_{\text{raw}}(1111)$	$= 0.9673$	(96.7%)	(9673 counts)
$P_{\text{raw}}(1011)$	$= 0.0106$	(1.1%)	(106 counts)
$P_{\text{raw}}(1101)$	$= 0.0081$	(0.8%)	(81 counts)
$P_{\text{raw}}(1110)$	$= 0.0077$	(0.8%)	(77 counts)
$P_{\text{raw}}(0111)$	$= 0.0055$	(0.5%)	(55 counts)
$P_{\text{raw}}(1001)$	$= 0.0004$	(0.0%)	(4 counts)
$P_{\text{raw}}(1100)$	$= 0.0002$	(0.0%)	(2 counts)
$P_{\text{raw}}(0011)$	$= 0.0001$	(0.0%)	(1 count)
$P_{\text{raw}}(1010)$	$= 0.0001$	(0.0%)	(1 count)

Mitigated Probabilities

$P_{\text{mitigated}}(1111)$	$= 1.0816936$
$P_{\text{mitigated}}(1110)$	$= -0.024201097$
$P_{\text{mitigated}}(1011)$	$= -0.019141676$
$P_{\text{mitigated}}(1101)$	$= -0.008984862$
$P_{\text{mitigated}}(0111)$	$= -0.031229032$
$P_{\text{mitigated}}(1001)$	$= 0.00048916455$
$P_{\text{mitigated}}(1100)$	$= 0.00034177073$
$P_{\text{mitigated}}(1010)$	$= 0.00043788625$
$P_{\text{mitigated}}(0011)$	$= 0.00059428706$

Entanglement Entropies

$$S(\rho_{\text{omniverse}}) = 3.1856 \text{ bits}$$

$$S(\rho_{\text{bell}}) = 4.0000 \text{ bits}$$

All Raw Probabilities

$$P_{\text{raw}}(1111) = 0.9673$$

$$P_{\text{raw}}(1011) = 0.0106$$

$$P_{\text{raw}}(1101) = 0.0081$$

$$P_{\text{raw}}(1110) = 0.0077$$

$$P_{\text{raw}}(0111) = 0.0055$$

$$P_{\text{raw}}(1001) = 0.0004$$

$$P_{\text{raw}}(1100) = 0.0002$$

$$P_{\text{raw}}(0011) = 0.0001$$

$$P_{\text{raw}}(1010) = 0.0001$$

All Mitigated Probabilities

$$P_{\text{mitigated}}(1111) = 1.0816936$$

$$P_{\text{mitigated}}(1110) = -0.024201097$$

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Correlations

LHC Correlation

$$r = 0.984$$

$$p\text{-value} = 0.0023$$

Gravitational Wave (GW) Correlation

$$r = 0.009$$
$$p\text{-value} = 0.9888$$

Expected Measurement Outcome

$P_{\text{raw}}(0000001111) = 0.9586$	(95.9%)	(9586 counts)
$P_{\text{raw}}(0000001110) = 0.0114$	(1.1%)	(114 counts)
$P_{\text{raw}}(0000001101) = 0.0074$	(0.7%)	(74 counts)
$P_{\text{raw}}(0000001011) = 0.0058$	(0.6%)	(58 counts)
$P_{\text{raw}}(0000101111) = 0.0014$	(0.1%)	(14 counts)
$P_{\text{raw}}(0100001111) = 0.0020$	(0.2%)	(20 counts)
$P_{\text{raw}}(1000001111) = 0.0014$	(0.1%)	(14 counts)
$P_{\text{raw}}(0000000111) = 0.0066$	(0.7%)	(66 counts)
$P_{\text{raw}}(0010001111) = 0.0019$	(0.2%)	(19 counts)
$P_{\text{raw}}(0000011111) = 0.0018$	(0.2%)	(18 counts)
$P_{\text{raw}}(0000011011) = 0.0001$	(0.0%)	(1 count)
$P_{\text{raw}}(0001001111) = 0.0010$	(0.1%)	(10 counts)
$P_{\text{raw}}(0000001001) = 0.0002$	(0.0%)	(2 counts)
$P_{\text{raw}}(0000000110) = 0.0001$	(0.0%)	(1 count)
$P_{\text{raw}}(0100001110) = 0.0001$	(0.0%)	(1 count)
$P_{\text{raw}}(0000001010) = 0.0001$	(0.0%)	(1 count)
$P_{\text{raw}}(0100001011) = 0.0001$	(0.0%)	(1 count)