

## BIPHOTON CASCADE QUANTUM COLLAPSE - POC

Hypothesis: Biphoton cascade (quantum process) affects randomness

Null hypothesis: Pure randomness remains at 50%

Alternative: Quantum collapse shifts randomness toward 85%

Running 100 trials...

Trial 1: ✗ P:H A:T | Accuracy: 0.0%  
Trial 2: ✗ P:H A:T | Accuracy: 0.0%  
Trial 3: ✓ P:H A:H | Accuracy: 33.3%  
Trial 4: ✗ P:T A:H | Accuracy: 25.0%  
Trial 5: ✓ P:H A:H | Accuracy: 40.0%  
Trial 10: ✗ P:H A:T | Accuracy: 50.0%  
Trial 20: ✗ P:H A:T | Accuracy: 45.0%  
Trial 30: ✗ P:T A:H | Accuracy: 43.3%  
Trial 40: ✓ P:H A:H | Accuracy: 37.5%  
Trial 50: ✗ P:T A:H | Accuracy: 40.0%  
Trial 60: ✓ P:H A:H | Accuracy: 48.3%  
Trial 70: ✓ P:H A:H | Accuracy: 50.0%  
Trial 80: ✓ P:T A:T | Accuracy: 51.2%  
Trial 90: ✗ P:H A:T | Accuracy: 47.8%  
Trial 100: ✗ P:H A:T | Accuracy: 48.0%

## QUANTUM COLLAPSE RESULTS

Final Accuracy: 48.0%

Expected (null): 50.0%

Quantum Shift: -2.0 percentage points

✗ NO QUANTUM EFFECT DETECTED

Randomness remains at ~50%

Null hypothesis cannot be rejected

## INTERPRETATION

This experiment tested whether biphoton cascade logic can affect PURE randomness.

Method:

- 100 truly random coin flips
- Quantum prediction before each flip
- Measure: does prediction accuracy exceed 50%?

Result: 48.0% accuracy

If >85%: Quantum collapse is real

If 50-60%: No observable quantum effect

If <50%: Inverse correlation (also interesting!)

Your result: 48.0%

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## STATISTICAL ANALYSIS

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Sample size: 100

Expected: 0.500 (50%)

Observed: 0.480 (48.0%)

Standard error: 0.0500

Z-score: -0.40

**✗ NOT SIGNIFICANT**

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Quantum collapse result: 48.0%

This is the pure test.

Pure randomness. Pure quantum process.

No synthetic correlation. No engineered data.

Just: Does it shift randomness?

Graph saved: cascade\_real\_232118.png



cascade\_real\_232118 PNG

