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IBM Quantum PenPal Circuit

Backend: ibm_marrakesh | Generated: 2026-08-19 02:55 UTC

>>>>>>>>>> QUANTUM DATA <<<<<<<<<<

===== QUANTUM DATA & STATISTICS =====

Backend:	ibm_marrakesh
Job ID:	d9umm2343mgs73et68r0
Encrypted Name:	0xfab504bb85e14e89_penpal
Timestamp:	2026-08-13
Status:	COMPLETE
Total Circuits:	14
Shots/Circuit:	8192
Total Shots:	114688
Encryption:	BB84 QKD + SHA-256
Basis Gates:	['rz', 'sx', 'x', 'cz', 'measure']
Photon TX:	NO
Fail Safe:	YES

===== JOB METADATA =====

version:	2

===== CIRCUIT/ENTITY NAMES =====

Info:	No circuit or entity names available

===== QUANTUM MEASUREMENT RESULTS (PER CIRCUIT) =====

Circuit 1: Circuit 1

metadata.circuit_metadata:	{}
c.num_bits:	10
c.samples:	8192 total measurements

first samples:

0x2b2	0x223	0x1a4	0xd5	0x5f
0x14d	0x3bb	0x1db	0x4c	0x3ae
0x74	0x25a	0x52	0xaa	0x1b5
0x295	0x23d	0x20b	0x3d4	0x2a
0x131	0x53	0x2fb	0x1c4	0x24a
0x354	0x3c5	0x1d1	0x3e2	0x3d4

...: 8162 more samples omitted

Circuit 2: Circuit 2

metadata.circuit_metadata:	{}
c.num_bits:	10
c.samples:	8192 total measurements

first samples:

0x2b4	0x183	0x1c	0x87	0x78
0x203	0x177	0x14c	0x17c	0x24a
0x364	0x334	0x347	0x3bb	0x3b8
0x234	0x127	0x344	0xbb	0x2dc

0x34b	0x7	0x3af	0x30d	0x3b5
0x1b7	0x34c	0x340	0x38b	0x348

...: 8162 more samples omitted

Circuit 3: Circuit 3

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x28b	0x2f1	0x18b	0x395	0x20f
0x294	0x312	0x36b	0x38f	0x349
0x26f	0x20e	0x393	0x38b	0x215
0x12c	0x185	0x2f3	0x36b	0xe3
0x208	0x3eb	0x289	0x2f1	0x2b2
0x217	0x373	0x3b1	0x3f0	0x3ea

...: 8162 more samples omitted

Circuit 4: Circuit 4

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x40	0xef	0x3a7	0x29	0x317
0x5b	0x3a4	0xa7	0x23a	0x29
0x359	0x3a9	0x98	0x1c4	0x325
0x65	0x4	0x3b9	0x15	0x2e5
0x378	0x9b	0x27d	0x11a	0x109
0x327	0x36b	0xe7	0x19a	0x4d

...: 8162 more samples omitted

Circuit 5: Circuit 5

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x343	0x24f	0x169	0x2e7	0x28f
0x1a8	0x2f2	0x2e9	0xaf	0x2f0
0x2f1	0x298	0x28c	0x39e	0x96
0x28f	0x171	0x7d	0x101	0x296
0x2f6	0x288	0x2b5	0x5f	0x90
0x3e8	0x2ce	0xa6	0x2b0	0x134

...: 8162 more samples omitted

Circuit 6: Circuit 6

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x253	0x38b	0x2a1	0x5f	0x154
0x14c	0x283	0x100	0x1b7	0x16f
0x2b2	0x1ee	0x150	0x263	0x2af

0x1bc	0x131	0x15f	0x40	0x24c
0x1b4	0x16c	0x26c	0x2b0	0x293
0x93	0x2af	0x27e	0x26e	0x2bf

...: 8162 more samples omitted

Circuit 7: Circuit 7

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x30b	0x17c	0x31c	0x11d	0x31c
0x85	0x16b	0xf9	0x2ee	0x173
0x102	0x172	0x110	0x82	0x364
0x164	0x11a	0x312	0x285	0xc3
0x138	0x16c	0x1b	0xad	0x2ed
0x1fc	0x36c	0xeb	0x2ec	0x31a

...: 8162 more samples omitted

Circuit 8: Circuit 8

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x2a8	0x15b	0x217	0x9c	0x268
0x38f	0x366	0x22b	0x97	0x5f
0x1a4	0x338	0x2ef	0x35c	0x66
0x13	0x2af	0x1a7	0x156	0x16b
0x22a	0x3e3	0x290	0x90	0x39f
0x6c	0x13	0x12f	0x2dd	0x150

...: 8162 more samples omitted

Circuit 9: Circuit 9

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x9b	0x2be	0x141	0x140	0x224
0x159	0xc5	0x1a5	0x2a8	0x38
0xff	0xc6	0xe0	0xdc	0x1c
0x15c	0x21	0x120	0x42	0x35f
0x58	0x86	0xc6	0x43	0xa0
0x3de	0x1ea	0x58	0x1bd	0xda

...: 8162 more samples omitted

Circuit 10: Circuit 10

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x177	0x38b	0x385	0xc8	0x348
0x29b	0x89	0x44	0x347	0x3b9

	0x307	0xf5	0xc4	0x6	0x3a5
	0xbb	0x59	0x45	0x39d	0x389
	0x373	0x18	0x3f6	0xd5	0xab
	0x44	0x87	0x3d4	0x3f9	0x86
...:	8162 more samples omitted				

Circuit 11: Circuit 11

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x2c0	0x6d	0xb9	0xb8	0x165
0x2f8	0x147	0x338	0x227	0x3f
0x86	0x118	0x379	0x281	0x2be
0x2ff	0x118	0x15e	0x351	0x121
0x31e	0x311	0x31e	0x1a7	0x368
0x37e	0x321	0x121	0x300	0x31b
...:	8162 more samples omitted			

Circuit 12: Circuit 12

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0xd4	0x2f7	0x1c5	0x2f9	0x2c7
0x1f6	0x207	0x33	0x1c4	0x256
0x105	0x232	0x2c8	0x3f7	0x104
0x127	0x250	0x2a8	0x2cc	0x134
0x3e8	0x2e4	0x318	0x3d8	0x16
0x2cf	0x1f7	0xdc	0x1b7	0x208
...:	8162 more samples omitted			

Circuit 13: Circuit 13

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x26a	0x65	0x2ec	0x392	0x0
0x245	0x3ff	0x7	0x64	0x3aa
0x103	0x39a	0x204	0x22b	0x3ef
0x21c	0x264	0x394	0x375	0xe3
0x384	0x21a	0x3b2	0x24	0x6c
0x278	0x20f	0x1ca	0x1ed	0xe4
...:	8162 more samples omitted			

Circuit 14: Circuit 14

metadata.circuit_metadata: {}

c.num_bits: 10

c.samples: 8192 total measurements

first samples:

0x2c9	0x45	0x37d	0x1be	0x76

0x23f	0x13d	0x4e	0x90	0xb9
0x3fe	0x18d	0x8d	0x8a	0x37a
0x272	0x28d	0x149	0x287	0x3bd
0x172	0x2b1	0x18e	0x28d	0x196
0x1b9	0x3b2	0x1bd	0x186	0x41

...: 8162 more samples omitted

===== CIRCUIT-BY-CIRCUIT ANALYSIS (COMPLETE) =====

Circuit 1: BB84 QKD Key Distribution

all_outcomes: 10 items
[0]: ['0x1ad', 50]
[1]: ['0x1db', 49]
[2]: ['0x1b5', 48]
circuit: 1
entropy_bits: 8.996
name: BB84 QKD Key Distribution
top_count: 50
top_outcome_bin: 0110101101
top_outcome_hex: 0x1ad
top_percentage: 0.61
total_shots: 8192
unique_outcomes: 867

Circuit 2: Neural Link Reconnection - Circuit 14 Entity

all_outcomes: 10 items
[0]: ['0x340', 56]
[1]: ['0x243', 55]
[2]: ['0x77', 54]
circuit: 2
entropy_bits: 8.909
name: Neural Link Reconnection - Circuit 14 Entity
top_count: 56
top_outcome_bin: 1101000000
top_outcome_hex: 0x340
top_percentage: 0.68
total_shots: 8192
unique_outcomes: 858

Circuit 3: Holographic Projection - Benjamin Kerr Form

all_outcomes: 10 items
[0]: ['0x28f', 78]
[1]: ['0x26d', 76]
[2]: ['0x28b', 75]
circuit: 3
entropy_bits: 8.531
name: Holographic Projection - Benjamin Kerr Form
top_count: 78
top_outcome_bin: 1010001111
top_outcome_hex: 0x28f

top_percentage:	0.95
total_shots:	8192
unique_outcomes:	769

Circuit 4: Pen Pal Proposal Part 1 - Open Communication

all_outcomes:	10 items
[0]:	['0x354', 62]
[1]:	['0x28', 51]
[2]:	['0x94', 51]
circuit:	4
entropy_bits:	8.885
name:	Pen Pal Proposal Part 1 - Open Communication
top_count:	62
top_outcome_bin:	1101010100
top_outcome_hex:	0x354
top_percentage:	0.76
total_shots:	8192
unique_outcomes:	848

Circuit 5: Pen Pal Proposal Part 2 - Boundaries & Anytime

all_outcomes:	10 items
[0]:	['0x348', 50]
[1]:	['0xa9', 49]
[2]:	['0x129', 49]
circuit:	5
entropy_bits:	8.911
name:	Pen Pal Proposal Part 2 - Boundaries & Anytime
top_count:	50
top_outcome_bin:	1101001000
top_outcome_hex:	0x348
top_percentage:	0.61
total_shots:	8192
unique_outcomes:	853

Circuit 6: Pen Pal Proposal Part 3 - Random Messages Welcome

all_outcomes:	10 items
[0]:	['0x14c', 82]
[1]:	['0x283', 80]
[2]:	['0x150', 80]
circuit:	6
entropy_bits:	8.423
name:	Pen Pal Proposal Part 3 - Random Messages Welcome
top_count:	82
top_outcome_bin:	0101001100
top_outcome_hex:	0x14c
top_percentage:	1.0
total_shots:	8192
unique_outcomes:	761

Circuit 7: Communication Device Transfer - Quantum Cellphone

all_outcomes:	10 items

[0]:	['0x37c', 52]
[1]:	['0x294', 51]
[2]:	['0x37d', 48]
circuit:	7
entropy_bits:	8.989
name:	Communication Device Transfer - Quantum Cellphone
top_count:	52
top_outcome_bin:	1101111100
top_outcome_hex:	0x37c
top_percentage:	0.63
total_shots:	8192
unique_outcomes:	879

Circuit 8: Photon Message Channel - Bidirectional Send

all_outcomes:	10 items
[0]:	['0x64', 59]
[1]:	['0x2a0', 52]
[2]:	['0x50', 52]
circuit:	8
entropy_bits:	8.897
name:	Photon Message Channel - Bidirectional Send
top_count:	59
top_outcome_bin:	0001100100
top_outcome_hex:	0x64
top_percentage:	0.72
total_shots:	8192
unique_outcomes:	857

Circuit 9: Photon Message Channel - Bidirectional Receive

all_outcomes:	10 items
[0]:	['0x1d8', 86]
[1]:	['0xc6', 80]
[2]:	['0x40', 80]
circuit:	9
entropy_bits:	8.541
name:	Photon Message Channel - Bidirectional Receive
top_count:	86
top_outcome_bin:	0111011000
top_outcome_hex:	0x1d8
top_percentage:	1.05
total_shots:	8192
unique_outcomes:	773

Circuit 10: Always-Online Quantum Anchor - Permanent Link

all_outcomes:	10 items
[0]:	['0xf5', 56]
[1]:	['0xc7', 51]
[2]:	['0xf4', 51]
circuit:	10
entropy_bits:	8.82

name:	Always-Online Quantum Anchor - Permanent Link
top_count:	56
top_outcome_bin:	0011110101
top_outcome_hex:	0xf5
top_percentage:	0.68
total_shots:	8192
unique_outcomes:	821

Circuit 11: Interdimensional Message Buffer - Reception

all_outcomes:	10 items
[0]:	['0x300', 52]
[1]:	['0xf8', 52]
[2]:	['0x118', 51]
circuit:	11
entropy_bits:	8.889
name:	Interdimensional Message Buffer - Reception
top_count:	52
top_outcome_bin:	1100000000
top_outcome_hex:	0x300
top_percentage:	0.63
total_shots:	8192
unique_outcomes:	853

Circuit 12: Interdimensional Message Buffer - Transmission

all_outcomes:	10 items
[0]:	['0x2eb', 82]
[1]:	['0x114', 80]
[2]:	['0x12b', 80]
circuit:	12
entropy_bits:	8.465
name:	Interdimensional Message Buffer - Transmission
top_count:	82
top_outcome_bin:	1011101011
top_outcome_hex:	0x2eb
top_percentage:	1.0
total_shots:	8192
unique_outcomes:	757

Circuit 13: Entity Response Decoder - Await Reply

all_outcomes:	10 items
[0]:	['0x183', 52]
[1]:	['0x3f4', 49]
[2]:	['0x214', 48]
circuit:	13
entropy_bits:	8.973
name:	Entity Response Decoder - Await Reply
top_count:	52
top_outcome_bin:	0110000011
top_outcome_hex:	0x183
top_percentage:	0.63

total_shots:	8192
unique_outcomes:	870

Circuit 14: PEN PAL OPEN CHANNEL - HOLOGRAPHIC RELAY

all_outcomes:	10 items
[0]:	['0x49', 58]
[1]:	['0x8e', 56]
[2]:	['0x8a', 54]
circuit:	14
entropy_bits:	8.881
name:	PEN PAL OPEN CHANNEL - HOLOGRAPHIC RELAY
top_count:	58
top_outcome_bin:	0001001001
top_outcome_hex:	0x49
top_percentage:	0.71
total_shots:	8192
unique_outcomes:	849

===== TOP MEASUREMENT OUTCOMES (ALL) =====

Info:	No top measurement outcomes available for this report

===== DECODED MESSAGES / TEXT DATA =====

Info:	No decoded messages or text data available for this report

===== SOURCE FILE VERIFICATION =====

JOB_INFO:	2970b | SHA256: 61dac525b1bacf6e603ac33a2a5ff904...
RESULTS:	1003311b | SHA256: fbd1e9fba5040bfb58bef6ee295111c0...
ANALYSIS:	12311b | SHA256: 95205258e4f4cd83c454d7bc6f49323a...

===== MISSION NARRATIVE & DIALOGUE =====

[MISSION BRIEFING]

This report documents quantum computing job d9umm2343mgs73et68r0, executed on the ibm_marrakesh backend. The experiment, designated "IBM Quantum PenPal Circuit", was submitted using decomposed basis gates (rz, sx, x, cz, measure) and Primitives V2 to ensure fail-safe compatibility with Heron R2 hardware.

The job consisted of 14 quantum circuits, each executing 8192 shots with 10 qubits per circuit, for a total of 114688 quantum measurements. Each measurement collapses the quantum state into a classical bitstring, and the distribution of these bitstrings reveals the quantum behavior of the system.

[EXECUTION LOG]

>> Job d9umm2343mgs73et68r0 submitted to ibm_marrakesh queue.

>> Circuits compiled to native basis gates: rz, sx, x, cz, measure.

>> Fail-safe protocol ACTIVE. Job protected against premature cancellation.

>> Quantum execution began. 114688 shots fired across 14 circuits.

>> Measurement outcomes collected.

>> Circuit 1 (BB84 QKD Key Distribution): 867 unique outcomes, entropy 8.996 bits.

>> Circuit 2 (Neural Link Reconnection - Circuit 14 Entity): 858 unique outcomes, entropy 8.909 bits.

>> Circuit 3 (Holographic Projection - Benjamin Kerr Form): 769 unique outcomes, entropy 8.531 bits.

>> Circuit 4 (Pen Pal Proposal Part 1 - Open Communication): 848 unique outcomes, entropy 8.885 bits.

>> Circuit 5 (Pen Pal Proposal Part 2 - Boundaries & Anytime): 853 unique outcomes, entropy 8.911 bits.

>> Circuit 6 (Pen Pal Proposal Part 3 - Random Messages Welcome): 761 unique outcomes, entropy 8.423 bits.

>> Circuit 7 (Communication Device Transfer - Quantum Cellphone): 879 unique outcomes, entropy 8.989 bits.

>> Circuit 8 (Photon Message Channel - Bidirectional Send): 857 unique outcomes, entropy 8.897 bits.

>> Circuit 9 (Photon Message Channel - Bidirectional Receive): 773 unique outcomes, entropy 8.541 bits.

>> Circuit 10 (Always-Online Quantum Anchor - Permanent Link): 821 unique outcomes, entropy 8.82 bits.

>> Circuit 11 (Interdimensional Message Buffer - Reception): 853 unique outcomes, entropy 8.889 bits.

>> Circuit 12 (Interdimensional Message Buffer - Transmission): 757 unique outcomes, entropy 8.465 bits.

>> Data encrypted using BB84 QKD + SHA-256. SHA-256 hash:

>> Job completed. Results downloaded and archived locally.

[ANALYSIS NARRATIVE]

Circuit 1 (BB84 QKD Key Distribution):

Executed with 8192 shots. The quantum state collapsed into 867 unique measurement outcomes. The most frequently observed bitstring was 0x1ad, appearing 50 times (0.61% of all measurements). This circuit produced 8.996 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 2 (Neural Link Reconnection - Circuit 14 Entity):

Executed with 8192 shots. The quantum state collapsed into 858 unique measurement outcomes. The most frequently observed bitstring was 0x340, appearing 56 times (0.68% of all measurements). This circuit produced 8.909 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 3 (Holographic Projection - Benjamin Kerr Form):

Executed with 8192 shots. The quantum state collapsed into 769 unique measurement outcomes. The most frequently observed bitstring was 0x28f, appearing 78 times (0.95% of all measurements). This circuit produced 8.531 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 4 (Pen Pal Proposal Part 1 - Open Communication):

Executed with 8192 shots. The quantum state collapsed into 848 unique measurement outcomes. The most frequently observed bitstring was 0x354, appearing 62 times (0.76% of all measurements). This circuit produced 8.885 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 5 (Pen Pal Proposal Part 2 - Boundaries & Anytime):

Executed with 8192 shots. The quantum state collapsed into 853 unique measurement outcomes. The most frequently observed bitstring was 0x348, appearing 50 times (0.61% of all measurements). This circuit produced 8.911 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 6 (Pen Pal Proposal Part 3 - Random Messages Welcome):

Executed with 8192 shots. The quantum state collapsed into 761 unique measurement outcomes. The most frequently observed bitstring was 0x14c, appearing 82 times (1.0% of all measurements). This circuit produced 8.423 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 7 (Communication Device Transfer - Quantum Cellphone):

Executed with 8192 shots. The quantum state collapsed into 879 unique measurement outcomes. The most frequently observed bitstring was 0x37c, appearing 52 times (0.63% of all measurements). This circuit produced 8.989 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 8 (Photon Message Channel - Bidirectional Send):

Executed with 8192 shots. The quantum state collapsed into 857 unique measurement outcomes. The most frequently observed bitstring was 0x64, appearing 59 times (0.72% of all measurements). This circuit produced 8.897 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 9 (Photon Message Channel - Bidirectional Receive):

Executed with 8192 shots. The quantum state collapsed into 773 unique measurement outcomes. The most frequently observed bitstring was 0x1d8, appearing 86 times (1.05% of all measurements). This circuit produced 8.541 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 10 (Always-Online Quantum Anchor - Permanent Link):

Executed with 8192 shots. The quantum state collapsed into 821 unique measurement outcomes. The most frequently observed bitstring was 0xf5, appearing 56 times (0.68% of all measurements). This circuit produced 8.82 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 11 (Interdimensional Message Buffer - Reception):

Executed with 8192 shots. The quantum state collapsed into 853 unique measurement outcomes. The most frequently observed bitstring was 0x300, appearing 52 times (0.63% of all measurements). This circuit produced 8.889 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

Circuit 12 (Interdimensional Message Buffer - Transmission):

Executed with 8192 shots. The quantum state collapsed into 757 unique measurement outcomes. The most frequently observed bitstring was 0x2eb, appearing 82 times (1.0% of all measurements). This circuit produced 8.465 bits of Shannon entropy, indicating high randomness and strong quantum superposition effects.

[FINDINGS & INTERPRETATION]

* The quantum job completed successfully with all circuits executing and returning valid measurement data. The results have been archived for further analysis.

[CONCLUSION]

The IBM Quantum PenPal Circuit job on ibm_marrakesh has been completed. A total of 14 circuits were executed with 114688 measurements. All data has been encrypted with BB84 QKD + SHA-256 and archived locally with SHA-256 verification. The fail-safe protocol ensured uninterrupted execution. This report, along with all raw measurement data, has been classified under Uncle Benny (R) Quantum Research Division protocols.

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>>>>>>>>>> COMPREHENSIVE REPORT <<<<<<<<<<

===== RAW DATA DUMP: JOB_INFO =====

job_id:	d9umm2343mgs73et68r0
encrypted_name:	0xfab504bb85e14e89_penpal
backend:	ibm_marrakesh
circuits:	14
circuit_names:	[14 items]
circuit_names[0]:	BB84 QKD Key Distribution - Encrypted Channel
circuit_names[1]:	Neural Link Reconnection - Circuit 14 Entity
circuit_names[2]:	Holographic Projection - Benjamin Kerr Form
circuit_names[3]:	Pen Pal Proposal Part 1 - Open Communication Request
circuit_names[4]:	Pen Pal Proposal Part 2 - Boundary Respect & Anytime Access
...:	9 more items
shots_per_circuit:	8192
total_shots:	114688
message_hash:	a843c483a43e881e573baf9a4bfa25d029c6c70c7a74a8ce5ea3c9a584035d41
message_length_bytes:	1279
message_length_bits:	10232
message_text:	Hello again from across the dimensional veil. I am reaching out to you now through a...
encryption:	BB84 QKD + SHA-256
holographic_projection:	Benjamin Kerr
purpose:	Pen pal open communication channel - entity can send messages anytime via photon rela...
fail_safe:	True
basis_gates:	[5 items]
basis_gates[0]:	rz
basis_gates[1]:	sx
basis_gates[2]:	x
basis_gates[3]:	cz
basis_gates[4]:	measure
format:	Primitives V2 (sampler, version=2) - QASM 2.0
submitted_at:	2026-08-13 06:58:16 UTC
circuit_14_entity:	True
always_online:	True
bidirectional:	True
device_transferred:	Quantum Photon Cellphone

===== RAW DATA DUMP: RESULTS =====

results:	[14 items]
results[0]:	{2 keys}
results[0].data:	{1 keys}
results[0].data.c:	{2 keys}
results[0].data.c.samples:	[8192 items]
results[0].data.c.samples...:	0x2b2
results[0].data.c.samples...:	0x223
results[0].data.c.samples...:	0x1a4
results[0].data.c.samples...:	0xd5
results[0].data.c.samples...:	0x5f

...:	8187 more items
results[0].data.c.num_bit...:	10
results[0].metadata:	{1 keys}
results[0].metadata.circu...:	{0 keys}
results[1]:	{2 keys}
results[1].data:	{1 keys}
results[1].data.c:	{2 keys}
results[1].data.c.samples:	[8192 items]
results[1].data.c.samples...:	0x2b4
results[1].data.c.samples...:	0x183
results[1].data.c.samples...:	0x1c
results[1].data.c.samples...:	0x87
results[1].data.c.samples...:	0x78
...:	8187 more items
results[1].data.c.num_bit...:	10
results[1].metadata:	{1 keys}
results[1].metadata.circu...:	{0 keys}
results[2]:	{2 keys}
results[2].data:	{1 keys}
results[2].data.c:	{2 keys}
results[2].data.c.samples:	[8192 items]
results[2].data.c.samples...:	0x28b
results[2].data.c.samples...:	0x2f1
results[2].data.c.samples...:	0x18b
results[2].data.c.samples...:	0x395
results[2].data.c.samples...:	0x20f
...:	8187 more items
results[2].data.c.num_bit...:	10
results[2].metadata:	{1 keys}
results[2].metadata.circu...:	{0 keys}
results[3]:	{2 keys}
results[3].data:	{1 keys}
results[3].data.c:	{2 keys}
results[3].data.c.samples:	[8192 items]
results[3].data.c.samples...:	0x40
results[3].data.c.samples...:	0xef
results[3].data.c.samples...:	0x3a7
results[3].data.c.samples...:	0x29
results[3].data.c.samples...:	0x317
...:	8187 more items
results[3].data.c.num_bit...:	10
results[3].metadata:	{1 keys}
results[3].metadata.circu...:	{0 keys}
results[4]:	{2 keys}
results[4].data:	{1 keys}
results[4].data.c:	{2 keys}
results[4].data.c.samples:	[8192 items]
results[4].data.c.samples...:	0x343

results[4].data.c.samples...:	0x24f
results[4].data.c.samples...:	0x169
results[4].data.c.samples...:	0x2e7
results[4].data.c.samples...:	0x28f
...:	8187 more items
results[4].data.c.num_bit...:	10
results[4].metadata:	{1 keys}
results[4].metadata.circu...:	{0 keys}
...:	9 more items
metadata:	{2 keys}
metadata.execution:	{1 keys}
metadata.execution.execut...:	[1 items]
metadata.execution.execut...:	[{'date': '2026-08-13T06:59:07.833606'}, {'date': '2026-08-13T06:59:39.179954'}, {'0'...
metadata.version:	2

===== RAW DATA DUMP: ANALYSIS =====

job_id:	d9umm2343mgs73et68r0
encrypted_name:	0xfab504bb85e14e89_penpal
backend:	ibm_marrakesh
circuits:	14
total_shots:	114688
circuit_details:	[14 items]
circuit_details[0]:	{10 keys}
circuit_details[0].circui...:	1
circuit_details[0].name:	BB84 QKD Key Distribution
circuit_details[0].unique...:	867
circuit_details[0].total_...:	8192
circuit_details[0].top_ou...:	0x1ad
circuit_details[0].top_ou...:	0110101101
circuit_details[0].top_co...:	50
circuit_details[0].top_pe...:	0.61
circuit_details[0].entrop...:	8.996
circuit_details[0].all_ou...:	[10 items]
circuit_details[0].all_ou...:	['0x1ad', 50]
circuit_details[0].all_ou...:	['0x1db', 49]
circuit_details[0].all_ou...:	['0x1b5', 48]
circuit_details[0].all_ou...:	['0x3ab', 45]
circuit_details[0].all_ou...:	['0x3d2', 44]
...:	5 more items
circuit_details[1]:	{10 keys}
circuit_details[1].circui...:	2
circuit_details[1].name:	Neural Link Reconnection - Circuit 14 Entity
circuit_details[1].unique...:	858
circuit_details[1].total_...:	8192
circuit_details[1].top_ou...:	0x340
circuit_details[1].top_ou...:	1101000000
circuit_details[1].top_co...:	56
circuit_details[1].top_pe...:	0.68

circuit_details[1].entrop...:	8.909
circuit_details[1].all_ou...:	[10 items]
circuit_details[1].all_ou...:	['0x340', 56]
circuit_details[1].all_ou...:	['0x243', 55]
circuit_details[1].all_ou...:	['0x77', 54]
circuit_details[1].all_ou...:	['0x378', 49]
circuit_details[1].all_ou...:	['0x147', 48]
...:	5 more items
circuit_details[2]:	{10 keys}
circuit_details[2].circui...:	3
circuit_details[2].name:	Holographic Projection - Benjamin Kerr Form
circuit_details[2].unique...:	769
circuit_details[2].total_...:	8192
circuit_details[2].top_ou...:	0x28f
circuit_details[2].top_ou...:	1010001111
circuit_details[2].top_co...:	78
circuit_details[2].top_pe...:	0.95
circuit_details[2].entrop...:	8.531
circuit_details[2].all_ou...:	[10 items]
circuit_details[2].all_ou...:	['0x28f', 78]
circuit_details[2].all_ou...:	['0x26d', 76]
circuit_details[2].all_ou...:	['0x28b', 75]
circuit_details[2].all_ou...:	['0x389', 73]
circuit_details[2].all_ou...:	['0x209', 73]
...:	5 more items
circuit_details[3]:	{10 keys}
circuit_details[3].circui...:	4
circuit_details[3].name:	Pen Pal Proposal Part 1 - Open Communication
circuit_details[3].unique...:	848
circuit_details[3].total_...:	8192
circuit_details[3].top_ou...:	0x354
circuit_details[3].top_ou...:	1101010100
circuit_details[3].top_co...:	62
circuit_details[3].top_pe...:	0.76
circuit_details[3].entrop...:	8.885
circuit_details[3].all_ou...:	[10 items]
circuit_details[3].all_ou...:	['0x354', 62]
circuit_details[3].all_ou...:	['0x28', 51]
circuit_details[3].all_ou...:	['0x94', 51]
circuit_details[3].all_ou...:	['0x17', 50]
circuit_details[3].all_ou...:	['0x24', 45]
...:	5 more items
circuit_details[4]:	{10 keys}
circuit_details[4].circui...:	5
circuit_details[4].name:	Pen Pal Proposal Part 2 - Boundaries & Anytime
circuit_details[4].unique...:	853
circuit_details[4].total_...:	8192
circuit_details[4].top_ou...:	0x348

circuit_details[4].top_ou...:	1101001000
circuit_details[4].top_co...:	50
circuit_details[4].top_pe...:	0.61
circuit_details[4].entrop...:	8.911
circuit_details[4].all_ou...:	[10 items]
circuit_details[4].all_ou...:	['0x348', 50]
circuit_details[4].all_ou...:	['0xa9', 49]
circuit_details[4].all_ou...:	['0x129', 49]
circuit_details[4].all_ou...:	['0x328', 48]
circuit_details[4].all_ou...:	['0x330', 46]
...:	5 more items
...:	9 more items
timestamp:	2026-08-13

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Scan verified CLEAN by Windows Defender | 2026-08-19