

Figure 10 is a line plot showing the probability of finding the system in a state with a specific number of qubits (num_qb) as a function of the parameter p . The x-axis represents p from 1 to 15, and the y-axis represents the probability from 0.0 to 1.0. The legend identifies eight series:

- num_qb_4_NH_2 (Blue line)
- num_qb_8_NH_4 (Orange line)
- num_qb_10_NH_4 (Green line)
- num_qb_11_NH_5 (Red line)
- num_qb_12_NH_4 (Purple line)
- num_qb_13_NH_8 (Brown line)
- num_qb_14_NH_8 (Pink line)
- num_qb_15_NH_8 (Grey line)

The blue line (num_qb_4_NH_2) shows a prominent peak around $p=6$ and a sharp peak around $p=11$. Other series show much lower probabilities, with some small peaks at $p=2$, $p=7$, and $p=12$.

