

The graph displays the time evolution of the expectation value of the Hamiltonian for ten different states. The states are represented by colored lines: HH\_10 (blue), HH\_9 (orange), HH\_8 (green), HH\_1 (red), HH\_3 (purple), HH\_2 (brown), HH\_5 (pink), HH\_4 (grey), HH\_7 (olive), and HH\_6 (cyan). The x-axis represents time from 0 to 30. The y-axis represents the expectation value, which is not explicitly labeled. The states HH\_1, HH\_3, and HH\_5 show a characteristic trapezoidal behavior, rising to a plateau and then falling back to zero. HH\_6 remains constant at the lowest value throughout the time interval.

