The expected and observed distributions are shown in the histogram. The histogram displays the probability density function (p(Z)) on the y-axis and the Z values on the x-axis. The expected distribution is represented by a dotted line, while the exact and long-time limit distributions are shown with solid lines.

The inset graph illustrates the relationship between the P-value and the observed counts. The x-axis represents the P-value range from 0.001 to 1, and the y-axis represents the observed counts from 1 to 1000.