The diagram shows the distribution of null p-values for different categories:

- **p_lt**: The distribution is skewed towards higher p-values with a peak near 0.75.
- **p_gt**: The distribution is similar to **p_lt** but with a slight shift to the right, peaking near 0.85.
- **p_et + p_lt**: This category shows a more uniform distribution across a wider range of p-values.
- **p_et + p_gt**: This distribution is also uniform but with a slightly higher frequency at the lower p-values.

Each category is represented by a histogram with the x-axis indicating the p-value range from 0.00 to 1.00, and the y-axis representing frequency. The red dashed line denotes the threshold for significance, typically set at 0.05.