$log(g_Z^4)$: -14.879499 B: 2457 Only Background S+B60000 Median - Only BG $\pm 1\sigma$ 50000 $\pm 2\sigma$ Number of Throws 40000 30000 -20000 10000 0 -200-150-100-5050 100 150 200 **NLLR**