$log(g_Z^4)$ : -14.017695 B: 2457 Only Background S+B175000 -Median - Only BG  $\pm 1\sigma$ 150000  $\pm 2\sigma$ Number of Throws 125000 -100000 75000 -50000 -25000 0 -200-150-100-5050 100 150 200 **NLLR**