$log(g_Z^4)$ : -14.381452 B: 2457 Only Background 300000 S+BMedian - Only BG  $\pm 1\sigma$ 250000  $\pm 2\sigma$ 200000 -Number of Throws 150000 -100000 50000-200-150-100-5050 100 200 150 **NLLR**