$log(g_Z^4)$: -13.692390 B: 2457 Only Background 350000 S+BMedian - Only BG 300000 $\pm 1\sigma$ $\pm 2\sigma$ 250000 Number of Throws 200000 -150000 -100000 50000 -200-150-100-5050 100 150 200 **NLLR**