$log(g_Z^4)$ : -13.969472 B: 2457 Only Background S+B200000 Median - Only BG  $\pm 1\sigma$ 175000  $\pm 2\sigma$ 150000 -Number of Throws 125000 -100000 -75000 -50000 250000 -200-150-100-5050 100 150 200

**NLLR**