$log(g_Z^4)$ : -13.766435 B: 2457 Only Background S+B300000 Median - Only BG  $\pm 1\sigma$ 250000  $\pm 2\sigma$ Number of Throws 200000 -150000 -100000 50000 -200-150-100-5050 100 150 200

**NLLR**