$log(g_Z^4)$ : -14.726810 B: 2457 Only Background S+B120000 -Median - Only BG  $\pm 1\sigma$  $\pm 2\sigma$ 100000 -Number of Throws 80000 -60000 -40000 20000 0 -200-150-100-5050 100 150 200

**NLLR**