$log(g_Z^4)$: -14.345373 B: 2457 Only Background 300000 S+BMedian - Only BG $\pm 1\sigma$ 250000 $\pm 2\sigma$ Number of Throws 200000 150000 -100000 50000

-200

-150

-100

-50

NLLR

50

100

150

200