true start, loose, n = 1000,  $\sigma = 0.5$ true value :  $\theta = 0.3$ no constraint (48.364 % are out of [0, 1]) 250 200 counts 150 100 50 0  $-5.00 \times 10^4$  $-1.00 \times 10^{5}$  $-7.50 \times 10^4$  $-2.50 \times 10^4$ θ