Distribution of  $\pi$  values obtained in different 5000 points runs. Counts 10000 **Entries**  $\chi^2$  / ndf 231.3 / 52 500 Prob 1.88e-24 Constant  $500.8 \pm 6.2$ Mean  $3.141 \pm 0.000$ 400 Sigma  $0.02336 \pm 0.00017$ 300 200 100 3.05 3.25 3.1 3.15 3.2 3.3  $\pi$  obtained