

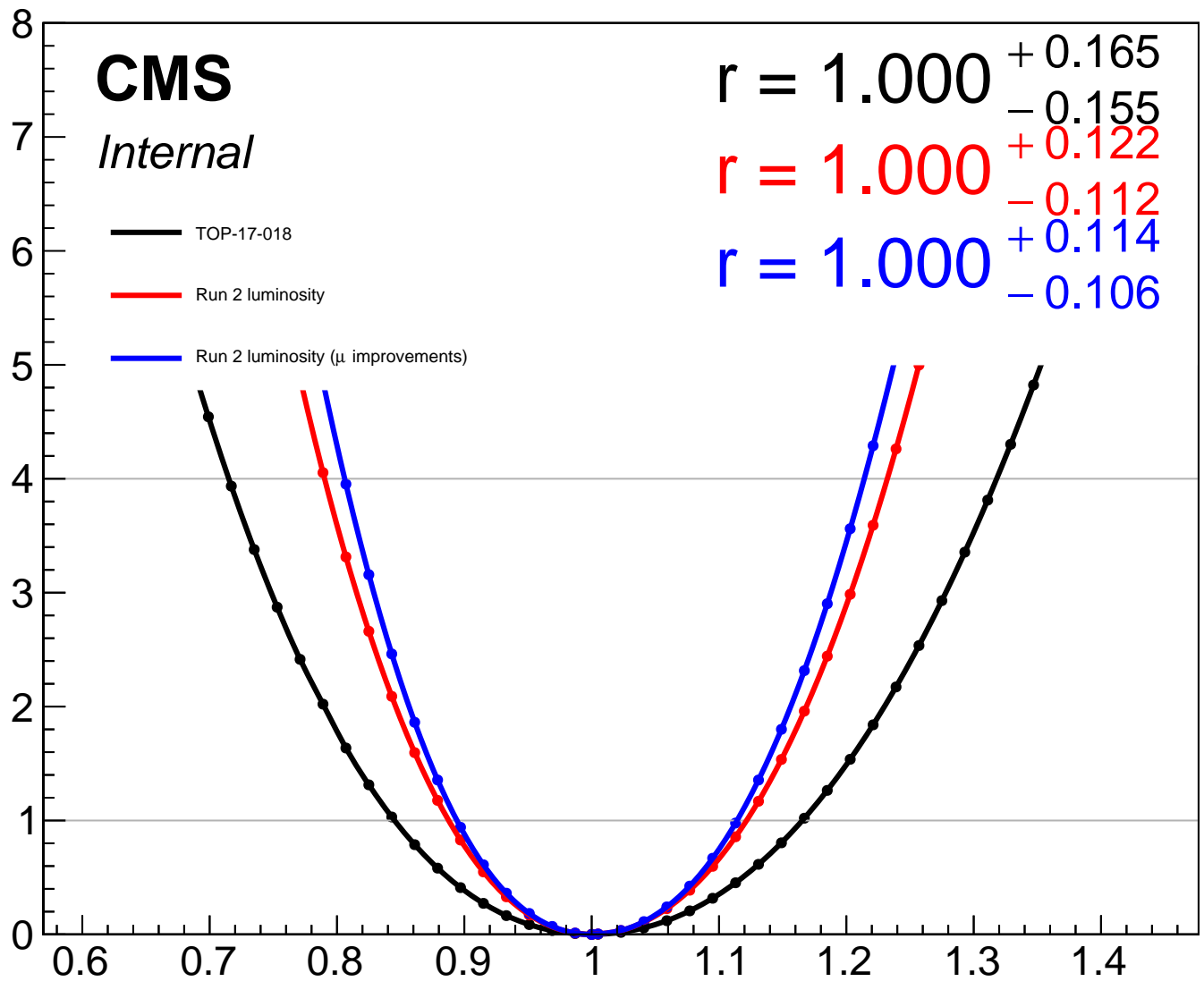
$-2 \Delta \ln L$

**CMS**

*Internal*

- TOP-17-018
- Run 2 luminosity
- Run 2 luminosity ( $\mu$  improvements)

$r = 1.000^{+0.165}_{-0.155}$   
 $r = 1.000^{+0.122}_{-0.112}$   
 $r = 1.000^{+0.114}_{-0.106}$



r