| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (theory) | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta\left(1 / m_{\mathrm{t}}\right)$ | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7.0 | 120.00 | 18.21 | ${ }_{-5.99}^{+3.35} \%$ | ${ }_{-2.95}^{+0.31 \%}$ | $\pm 1.00 \%$ | $\pm 1.04 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | ${ }^{+1.70}+1.70$ | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.92 \%$ |
| 7.0 | 122.00 | 17.61 | ${ }_{-5.95}^{+3.32 \%}$ | ${ }_{-2.93}^{+0.30} \%$ | $\pm 1.00 \%$ | $\pm 1.02 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | ${ }_{+}^{+1.70 \%}+$ | ${ }_{-1.60}^{+2.23} \%$ | $\pm 0.91 \%$ |
| 7.0 | 124.00 | 17.03 | ${ }_{-5.90}^{+3.30} \%$ | ${ }_{-2.89}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ +1.70 | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.90 \%$ |
| 7.0 | 124.60 | 16.87 | ${ }_{-5.88}^{+3.29} \%$ | ${ }_{-2.88}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | ${ }^{+1.70}+1.70 \%$ | ${ }_{-1.60}^{+2.23} \%$ | $\pm 0.90 \%$ |
| 7.0 | 124.80 | 16.81 | ${ }_{-5.87}^{+3.28} \%$ | ${ }_{-2.88}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ +1.70 | ${ }_{-1.60}^{+2.23} \%$ | $\pm 0.90 \%$ |
| 7.0 | 125.00 | 16.76 | ${ }_{-5.87}^{+3.28 \%}$ | ${ }_{-2.87}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ +1.70 | ${ }_{-1.60}^{+2.23} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.09 | 16.73 | ${ }_{-5.87}^{+3.28} \%$ | ${ }_{-2.87}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ +1.70 | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.20 | 16.70 | ${ }_{-5.86}^{+3.28} \%$ | ${ }_{-2.87}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ $+1.70 \%$ | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.30 | 16.67 | ${ }_{-5.86}^{+3.28} \%$ | ${ }_{-2.87}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | +1.70\% | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.38 | 16.65 | ${ }_{-5.86}^{+3.28} \%$ | ${ }_{-2.87}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | ${ }^{+1.70 \%}$ | ${ }_{-1.59}^{+2.23 \%}$ | $\pm 0.89 \%$ |
| 7.0 | 125.60 | 16.59 | ${ }_{-5.86}^{+3.27} \%$ | ${ }_{-2.86}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | +1.70\% | ${ }_{-1.59}^{+2.23} \%$ | $\pm 0.89 \%$ |
| 7.0 | 126.00 | 16.48 | ${ }_{-5.85}^{+3.27} \%$ | ${ }_{-2.86}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | +1.70\% | ${ }_{-1.59}^{+2.23 \%}$ | $\pm 0.89 \%$ |
| 7.0 | 128.00 | 15.96 | ${ }_{-5.80}{ }^{-5.24} \%$ | ${ }_{-2.83}^{+0.27} \%$ | $\pm 1.00 \%$ | $\pm 0.97 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $+1.70 \%$ $+1.70 \%$ | ${ }_{-1.59}^{+2.23 \%}$ | $\pm 0.88 \%$ |
| 7.0 | 130.00 | 15.46 | $\begin{aligned} & { }_{-5.75}^{+5.22} \% \\ & { }^{+3} \end{aligned}$ | ${ }_{-2.79}^{+0.26} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.33}^{+2.80} \%$ | $\begin{aligned} & +1.70 \% \\ & +1.70 \% \end{aligned}$ | ${ }_{-1.59}^{+}{ }^{+2.22} \%$ | $\pm 0.87 \%$ |
| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta^{\Sigma}\left(m_{\mathrm{t}}\right)$ | $\delta$ (theory) | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| 7.0 | 120.00 | 18.21 | ${ }_{-3.71}^{+0.57} \%$ | $\pm 1.00 \%$ | $\pm 1.04 \%$ | $\pm 0.20 \%$ | ${ }_{-1.47}^{+2.80} \%$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{+1.70 \%}$ | ${ }_{-1.60}^{+2.24} \%$ | $\pm 0.92 \%$ |
| 7.0 | 122.00 | 17.61 | ${ }_{-3.71}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 1.02 \%$ | $\pm 0.18 \%$ | ${ }_{-1.50}^{+1.77 \%}$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }_{+1.70}^{+1.70} \%$ | ${ }_{-1.61}^{+2.24} \%$ | $\pm 0.91 \%$ |
| 7.0 | 124.00 | 17.03 | ${ }_{-3.70}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.17 \%$ | ${ }_{-1.53}^{+2.73} \%$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{+1.70} \%$ | ${ }_{-1.60}^{+2.24} \%$ | $\pm 0.90 \%$ |
| 7.0 | 124.60 | 16.86 | ${ }_{-}^{+0.569}+$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.16 \%$ | ${ }_{-1.53}^{+}{ }^{+1.72} \%$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{-1.70 \%}$ | ${ }_{-1.61}^{+1.24} \%$ | $\pm 0.90 \%$ |
| 7.0 | 124.80 | 16.81 | ${ }_{-3.69}{ }^{-3.56 \%} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.16 \%$ | ${ }_{-}^{+1.54}+$ | ${ }_{-2.34}^{+2.81 \%}$ | $\stackrel{+1.70 \%}{+1.70 \%}$ | ${ }_{-1.61}^{+1.24} \%$ | $\pm 0.90 \%$ |
| 7.0 | 125.00 | 16.75 | ${ }_{-3.69}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.16 \%$ | ${ }_{-1.54}^{+1.71} \%$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{+1.70}+1.70 \%$ | ${ }_{-1.61}^{+2.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.09 | 16.73 | ${ }_{-3.69}{ }^{-3.56 \%} \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.16 \%$ | ${ }_{-1.54}^{+1.71 \%}$ | ${ }_{-2.34}^{+2.81 \%}$ | $\stackrel{+1.70 \%}{+1.70 \%}$ | ${ }_{-1.61}^{+1.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.20 | 16.70 | ${ }_{-3.69}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.16 \%$ | ${ }_{-1.54}^{+2.71 \%}$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{+1.70}+$ | ${ }_{-1.61}^{+2.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.30 | 16.67 | ${ }_{-3.69}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 0.16 \%$ | ${ }_{-1.54}^{+1.71 \%}$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{-1.70 \%}$ | ${ }_{-1.60}^{+1.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.38 | 16.65 | ${ }_{-3.69}{ }^{-3} \mathbf{+ 0 . 5 6 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 0.16 \%$ | ${ }_{-}^{+1.54}+$ | ${ }_{-2.34}^{+2.81 \%}$ | ${ }^{+1.70 \%}$ | ${ }_{-1.61}^{+2.60} \%$ | $\pm 0.89 \%$ |
| 7.0 | 125.60 | 16.59 | ${ }_{-3.69}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 0.16 \%$ | ${ }_{-}^{+2.71 .54} \%$ | ${ }_{-2.34}^{+2.81} \%$ | ${ }^{+1.70} \%$ | ${ }_{-1.60}^{+2.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 126.00 | 16.48 | ${ }_{-3.69}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.99 \%$ | $\pm 0.16 \%$ | ${ }_{-155}^{+2.71 \%}$ | ${ }_{-}^{+2.81} \%$ | ${ }^{+1.70 \%}$ | ${ }_{+}^{+1.24} \%$ | $\pm 0.89 \%$ |
| 7.0 | 128.00 | 15.96 | ${ }_{-3}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.97 \%$ | $\pm 0.17 \%$ | ${ }_{-}^{+2.695} \%$ | ${ }_{-}^{+2.81} \%$ | ${ }^{+1.70} \%$ | ${ }_{-}^{+2.24} \%$ | $\pm 0.88 \%$ |
| 7.0 | 130.00 | 15.46 | ${ }_{-3.68}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.17 \%$ | ${ }_{-1.55}^{+2.68} \%$ | ${ }_{-2.33}^{+2.81} \%$ | $+1.70 \%$ +1.70 | ${ }_{-1.60}^{+2.23} \%$ | $\pm 0.87 \%$ |


| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (theory) | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta\left(1 / m_{\mathrm{t}}\right)$ | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8.0 | 120.00 | 23.12 | ${ }_{-5.87}^{+3.31 \%}$ | ${ }_{-2.87}^{+0.31 \%}$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.77 \%}$ | ${ }^{+1.69 \%}$ | ${ }_{-1.58}^{+2.20} \%$ | $\pm 0.97 \%$ |
| 8.0 | 122.00 | 22.38 | ${ }_{-5.82}^{+3.28} \%$ | ${ }_{-2.84}^{+0.30} \%$ | $\pm 1.00 \%$ | $\pm 0.98 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.77} \%$ | +1.68\% | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.96 \%$ |
| 8.0 | 124.00 | 21.67 | ${ }_{-5.77}^{+3.26} \%$ | ${ }_{-2.81}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 0.97 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76} \%$ | +1.68\% | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 124.60 | 21.46 | ${ }_{-5.76}^{+3.25} \%$ | ${ }_{-2.80}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76} \%$ | +1.68\% | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 124.80 | 21.39 | ${ }_{-5.75}^{+3.24} \%$ | ${ }_{-2.79}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76 \%}$ | ${ }^{+1.68}+1.68$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.00 | 21.32 | ${ }_{-5.75}^{+3.24} \%$ | ${ }_{-2.79}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76} \%$ | ${ }^{+1.68}+1.68 \%$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.09 | 21.29 | ${ }_{-5.75}^{+3.24} \%$ | ${ }_{-2.79}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76 \%}$ | ${ }^{+1.68}+1.68$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.20 | 21.26 | ${ }_{-5.74}^{+3.24} \%$ | ${ }_{-2.79}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76 \%}$ | ${ }^{+1.68}+1.68 \%$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.30 | 21.22 | ${ }_{-5.74}^{+3.24} \%$ | ${ }_{-2.78}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76} \%$ | ${ }^{+1.688}+$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.38 | 21.20 | ${ }_{-5.74}^{+3.23 \%}$ | ${ }_{-2.78}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76 \%}$ | ${ }^{+1.68}+1.68$ | ${ }_{-1.58}^{+2.19} \%$ | $\pm 0.94 \%$ |
| 8.0 | 125.60 | 21.12 | ${ }_{-5.73}^{+3.23 \%}$ | ${ }_{-2.78}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.95 \%$ | $\pm 1.00 \%$ | ${ }_{-2.31}^{+2.76} \%$ | +1.68 ${ }^{+1.68}$ | ${ }_{-1.57}^{+2.19} \%$ | $\pm 0.94 \%$ |
| 8.0 | 126.00 | 20.99 | ${ }_{-5}^{+3.72} \%$ | ${ }_{-2.77}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.95 \%$ | $\pm 1.00 \%$ | ${ }_{-2}^{+2.76} \%$ | +1.68\% | ${ }_{-1.57}^{+2.19 \%}$ | $\pm 0.94 \%$ |
| 8.0 | 128.00 | 20.34 | ${ }_{-5.67}^{+3.20} \%$ | ${ }_{-2.74}^{+0.26} \%$ | $\pm 1.00 \%$ | $\pm 0.94 \%$ | $\pm 1.00 \%$ | ${ }_{-2.30}^{+2.76 \%}$ | ${ }^{+1.68}+1.68$ | ${ }_{-1.57}^{+2.19} \%$ | $\pm 0.93 \%$ |
| 8.0 | 130.00 | 19.72 | ${ }_{-5.63}^{+3.18} \%$ | ${ }_{-2.71}^{+0.25} \%$ | $\pm 1.00 \%$ | $\pm 0.93 \%$ | $\pm 1.00 \%$ | ${ }_{-2.30}^{+2.76} \%$ | +1.68 +1.68 | ${ }_{-1.57}^{+2.19} \%$ | $\pm 0.92 \%$ |
| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta^{\sum}\left(m_{\mathrm{t}}\right)$ | $\delta$ (theory) | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| 8.0 | 120.00 | 23.10 | ${ }_{-3.63}^{+0.56}$ | $\pm 1.00 \%$ | $\pm 1.00 \%$ | $\pm 0.20 \%$ | ${ }_{-1.43}^{+2.76} \%$ | ${ }_{-2.32}^{+2.78}$ | ${ }^{+1.69 \%}$ | ${ }_{-1.59}^{+2.21} \%$ | $\pm 0.97 \%$ |
| 8.0 | 122.00 | 22.36 | ${ }_{-3.62}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.98 \%$ | $\pm 0.18 \%$ | ${ }_{-1.46}^{+2.72} \%$ | ${ }_{-2.32}^{+2.77} \%$ | +1.68\% | ${ }_{-1.59}^{+2.20} \%$ | $\pm 0.96 \%$ |
| 8.0 | 124.00 | 21.66 | ${ }_{-3.61}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.97 \%$ | $\pm 0.16 \%$ | ${ }_{-1.48}^{+1.69} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }_{+}^{+1.68 \%} \%$ | ${ }_{-1.59}^{+2.20 \%}$ | $\pm 0.95 \%$ |
| 8.0 | 124.60 | 21.45 | ${ }_{-3.51}^{+0.566}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.16 \%$ | ${ }_{-1.49}^{+1.68} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }_{\text {- }}{ }^{1.6 .68 \%} \%$ | ${ }_{-1.59}^{+1.20 \%}$ | $\pm 0.95 \%$ |
| 8.0 | 124.80 | 21.38 | ${ }_{-3.61}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.16 \%$ | ${ }_{-1.49}^{+2.67} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }_{+}^{+1.68} \%$ | ${ }_{-1.59}^{+2.20} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.00 | 21.32 | ${ }_{-3.61}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.15 \%$ | ${ }_{-1.49}^{+1.67} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }^{+1.68}$ | ${ }_{-1.59}^{+2.20} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.09 | 21.29 | ${ }_{-3.61}^{+0.566} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.15 \%$ | ${ }_{-1.49}^{+1.67} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }_{+}^{+1.688}+$ | ${ }_{-1.59}^{+2.20 \%}$ | $\pm 0.95 \%$ |
| 8.0 | 125.20 | 21.25 | ${ }_{-3.61}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.15 \%$ | ${ }_{-1.50}^{+1.67} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }^{+1.68} \%$ | ${ }_{-1.59}^{+2.20} \%$ | $\pm 0.95 \%$ |
| 8.0 | 125.30 | 21.22 | ${ }_{-361}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.15 \%$ | ${ }_{-1.50}^{+2.66} \%$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }^{-1.68 \%}$ | ${ }_{-1.59}^{+1.20 \%}$ | $\pm 0.95 \%$ |
| 8.0 | 125.38 | 21.19 | ${ }_{-3.61}^{+0.566} \%$ | $\pm 1.00 \%$ | $\pm 0.96 \%$ | $\pm 0.15 \%$ | ${ }_{-1.50}^{-1.66 \%}$ | ${ }_{-2.31}^{+2.77} \%$ | ${ }^{+1.688}+$ | ${ }_{-1.59}^{-1.20 \%}$ | $\pm 0.94 \%$ |
| 8.0 | 125.60 | 21.12 | ${ }_{-361}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.95 \%$ | $\pm 0.15 \%$ | ${ }_{-1.50}^{+2.66} \%$ | ${ }_{-}^{+2.77} \%$ | -1.68\% | ${ }_{-1.59}^{+2.20} \%$ | $\pm 0.94 \%$ |
| 8.0 | 126.00 | 20.98 | ${ }_{-3.61}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.95 \%$ | $\pm 0.16 \%$ | ${ }_{-1.50}^{+1.66 \%}$ | ${ }_{-2}^{+2.77} \%$ | ${ }_{+}^{+1.68 \%}$ | ${ }_{-158}^{-1.20 \%}$ | $\pm 0.94 \%$ |
| 8.0 | 128.00 | 20.34 | ${ }_{-3}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.94 \%$ | $\pm 0.16 \%$ | ${ }_{-1.50}^{+1.65} \%$ | ${ }_{-2.71}^{+2.77} \%$ | ${ }_{+}^{+1.68 \%} \%$ | ${ }_{-1.58}^{-1.20 \%}$ | $\pm 0.93 \%$ |
| 8.0 | 130.00 | 19.72 | ${ }_{-3.60}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.93 \%$ | $\pm 0.17 \%$ | ${ }_{-1.50}^{+2.64} \%$ | ${ }_{-2.31}^{+2.77} \%$ | $+1.68 \%$ +1.68 | ${ }_{-1.58}^{+2.20} \%$ | $\pm 0.92 \%$ |


| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (theory) | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta\left(1 / m_{\mathrm{t}}\right)$ | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.0 | 120.00 | 52.14 | ${ }_{-5.47}^{+3.19 \%}$ | ${ }_{-2.60}^{+0.31} \%$ | $\pm 1.00 \%$ | $\pm 0.88 \%$ | $\pm 1.00 \%$ | ${ }_{-2.27}^{+2.68} \%$ | ${ }_{+}^{+1.65 \%}+$ | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.19 \%$ |
| 13.0 | 122.00 | 50.62 | ${ }_{-5.42}^{+3.15} \%$ | ${ }_{-2.56}^{+0.30 \%}$ | $\pm 1.00 \%$ | $\pm 0.86 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }_{+}^{+1.65 \%}$ | ${ }_{-1.55}^{+2.11} \%$ | $\pm 1.18 \%$ |
| 13.0 | 124.00 | 49.18 | ${ }_{-5.37}^{+3.13} \%$ | ${ }_{-2.52}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | +1.65\% | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 124.60 | 48.77 | ${ }_{-5.35}^{+3.12} \%$ | ${ }_{-2.51}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | +1.65\% | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 124.80 | 48.63 | ${ }_{-5.35}^{+3.12} \%$ | ${ }_{-2.51}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }^{+1.65 \%}$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.00 | 48.49 | ${ }_{-5.34}^{+3.12} \%$ | ${ }_{-2.50}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.65} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.09 | 48.43 | ${ }_{-5.34}^{+3.12} \%$ | ${ }_{-2.50}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.65 \%}+1.65$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.20 | 48.35 | ${ }_{-5.34}^{+3.12} \%$ | ${ }_{-2.50}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.65 \%}+1.65$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.30 | 48.29 | ${ }_{-5.34}^{+3.12} \%$ | ${ }_{-2.50}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | +1.65\% | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.38 | 48.23 | ${ }_{-5.33}^{+3.11} \%$ | ${ }_{-2.50}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.65} \%$ | ${ }_{-1.54}^{+2.10 \%}$ | $\pm 1.15 \%$ |
| 13.0 | 125.60 | 48.08 | ${ }_{-5.33}^{+5.11} \%$ | ${ }_{-2.49}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.65} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.15 \%$ |
| 13.0 | 126.00 | 47.81 | ${ }_{-5.32}^{+3.11} \%$ | ${ }_{-2.49}^{+0.27} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.67} \%$ | +1.65\% | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.15 \%$ |
| 13.0 | 128.00 | 46.49 | ${ }_{-5.27}^{+3.08} \%$ | ${ }_{-2.45}^{+0.26 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.67} \%$ | ${ }_{\substack{+1.64 \\+1.64}}$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.14 \%$ |
| 13.0 | 130.00 | 45.22 | ${ }_{-5.23}^{+3.06} \%$ | ${ }_{-2.42}^{+0.25} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | $\begin{aligned} & +1.646 \\ & +1.64 \end{aligned}$ | ${ }_{-1.53}^{+2.10} \%$ | $\pm 1.13 \%$ |
| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta^{\Sigma}\left(m_{\mathrm{t}}\right)$ | $\delta$ (theory) | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| 13.0 | 120.00 | 52.02 | ${ }_{-3.35}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.87 \%$ | $\pm 0.16 \%$ | ${ }_{-1.32}^{+2.59}$ | ${ }_{-2.28}^{+2.69} \%$ | ${ }^{+1.65}+1.65$ | ${ }_{-1.57}^{+2.12} \%$ | $\pm 1.19 \%$ |
| 13.0 | 122.00 | 50.54 | ${ }_{-3.34}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.86 \%$ | $\pm 0.18 \%$ | ${ }_{-1.30}^{+2.60} \%$ | ${ }_{-2.27}^{+2.68 \%}$ | ${ }^{+1.65} \%$ | ${ }_{-1.56}^{+2.12} \%$ | $\pm 1.18 \%$ |
| 13.0 | 124.00 | 49.11 | ${ }_{-3.33}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.85 \%$ | $\pm 0.16 \%$ | ${ }_{-1.32}^{+2.56}$ | ${ }_{-2.27}^{+2.68} \%$ | +1.65 \% | ${ }_{-1.56}^{+2.12} \%$ | $\pm 1.16 \%$ |
| 13.0 | 124.60 | 48.70 | ${ }_{-3}{ }_{-3.53}^{+0.56 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.15 \%$ | ${ }_{-1.33}^{+2.55} \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }_{+1.65}^{+1.65} \%$ | ${ }_{-1.56}^{+1.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 124.80 | 48.56 | ${ }_{-3.33}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.15 \%$ | ${ }_{-1.34}^{+2.54} \%$ | ${ }_{-2.26}^{+2.68} \%$ | -1.65 +1.65 | ${ }_{-1.55}^{+2.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.00 | 48.42 | ${ }_{-3.33}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{+2.54} \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }^{+1.65} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.09 | 48.36 | ${ }_{-3.33}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{+1.54} \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }_{+}^{+1.65} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.20 | 48.28 | ${ }_{-3.33}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{-1.54} \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }_{+}^{+1.65} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.30 | 48.22 | ${ }_{-3.32}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.13 \%$ | ${ }_{-1.35}^{+2.53} \%$ | ${ }_{-2.26}^{+2.68} \%$ | ${ }_{\text {- }}^{+1.65}$ +1.65 | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.16 \%$ |
| 13.0 | 125.38 | 48.16 | ${ }_{-3.33}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.14 \%$ | ${ }_{-1.35}^{+2.53} \%$ | ${ }_{-2.26}^{+2.68} \%$ | +1.65 +1.65 | ${ }_{-1.55}^{+2.11 \%}$ | $\pm 1.15 \%$ |
| 13.0 | 125.60 | 48.01 | ${ }_{-3}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.14 \%$ | ${ }_{-1.35}^{+2.53} \%$ | ${ }_{-}^{+2.68} \%$ | -1.65 \% | ${ }_{-1.55}^{+2.11} \%$ | $\pm 1.15 \%$ |
| 13.0 | 126.00 | 47.74 | ${ }_{-32}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1.35}^{+2.53} \%$ | ${ }_{-2 .}^{+2.68 \%}$ | -1.65 \% | ${ }_{-155}^{+2.11} \%$ | $\pm 1.15 \%$ |
| 13.0 | 128.00 | 46.43 | ${ }_{-31}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.15 \%$ | ${ }_{-1.34}^{-1.52} \%$ | ${ }_{-2}^{+2.67} \%$ | ${ }_{+1.64}^{+1.65} \%$ | ${ }_{-1}{ }^{-1.115} \%$ | $\pm 1.14 \%$ |
| 13.0 | 130.00 | 45.17 | ${ }_{-3.31}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 0.16 \%$ | ${ }_{-1.34}^{+2.51} \%$ | ${ }_{-2.25}^{+2.67} \%$ | -1.64 +1.64 | ${ }_{-1.54}^{+1.11} \%$ | $\pm 1.13 \%$ |


| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (theory) | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta\left(1 / m_{\mathrm{t}}\right)$ | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 13.6 | 120.00 | 56.03 | ${ }_{-5.42}^{+3.16} \%$ | ${ }_{-2.57}^{+0.31 \%}$ | $\pm 1.00 \%$ | $\pm 0.85 \%$ | $\pm 1.00 \%$ | ${ }_{-2.27}^{+2.67} \%$ | ${ }_{+}^{+1.65 \%}$ | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.21 \%$ |
| 13.6 | 122.00 | 54.40 | ${ }_{-5.37}^{+3.14} \%$ | ${ }_{-2.53}^{+0.30} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | +1.65\% | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.20 \%$ |
| 13.6 | 124.00 | 52.87 | ${ }_{-5.33}^{+3.12} \%$ | ${ }_{-2.50}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 124.60 | 52.43 | ${ }_{-5.32}^{+3.11} \%$ | ${ }_{-2.49}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 124.80 | 52.28 | ${ }_{-5.32}^{+3.11} \%$ | ${ }_{-}^{+0.289}$ \% | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.00 | 52.13 | ${ }_{-5.31}^{+3.11} \%$ | ${ }_{-2.48}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.09 | 52.07 | ${ }_{-5.31}^{+3.11} \%$ | ${ }_{-}^{+}+{ }_{-28}^{+0.28 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.67} \%$ | +1.64 +1.64 | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.20 | 51.99 | ${ }_{-5.31}^{+3.11} \%$ | ${ }_{-2.48}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.67} \%$ | ${ }_{+}^{+1.64}{ }^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.30 | 51.92 | ${ }_{-5.30}^{+5.10} \%$ | ${ }_{-2.48}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }^{+1.644}+$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.38 | 51.86 | ${ }_{-5.30}^{+3.10} \%$ | ${ }_{-}^{+}+{ }_{-28}^{+0.28 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | $\stackrel{+1.64}{+1.64} \%$ | ${ }_{-1.54}^{+2.10 \%}$ | $\pm 1.18 \%$ |
| 13.6 | 125.60 | 51.70 | ${ }_{-5.30}^{+5.10} \%$ | ${ }_{-2.47}^{+0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+}^{+1.644}+$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.17 \%$ |
| 13.6 | 126.00 | 51.41 | ${ }_{-5.29}^{+3.10} \%$ | ${ }_{-}^{+0.277} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | -1.64\% + | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.17 \%$ |
| 13.6 | 128.00 | 50.00 | ${ }_{-5.24}^{+3.07} \%$ | ${ }_{-2.43}^{+0.26} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+}^{+1.64}$ +1.64\% | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.16 \%$ |
| 13.6 | 130.00 | 48.65 | ${ }_{-5.19}^{+3.05} \%$ | ${ }_{-2.39}^{+}{ }^{+2.25} \%$ | $\pm 1.00 \%$ | $\pm 0.80 \%$ | $\pm 1.00 \%$ | ${ }_{-2.24}^{+2.66} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.53}^{+2.09} \%$ | $\pm 1.15 \%$ |
| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta^{\Sigma}\left(m_{\mathrm{t}}\right)$ | $\delta$ (theory) | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| 13.6 | 120.00 | 55.90 | ${ }_{-3.32}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.85 \%$ | $\pm 0.15 \%$ | ${ }_{-1.32}^{+2.56} \%$ | ${ }_{-2.27}^{+2.68} \%$ | ${ }_{+}^{+1.65 \%}$ | ${ }_{-1.57}^{+2.12} \%$ | $\pm 1.21 \%$ |
| 13.6 | 122.00 | 54.31 | ${ }_{-3.31}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.19 \%$ | ${ }_{-1.28}^{+2.59} \%$ | ${ }_{-2.27}^{+2.68} \%$ | +1.65\% | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.20 \%$ |
| 13.6 | 124.00 | 52.79 | ${ }_{-3.31}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.16 \%$ | ${ }_{-1.32}^{+2.55}$ | ${ }_{-2.26}^{+2.68}$ | ${ }^{+1.64} \%$ | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 124.60 | 52.35 | ${ }_{-31}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.15 \%$ | ${ }_{-1.33}^{+2.53} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{-1.64}^{\dagger}{ }^{-1.64} \%$ | ${ }_{-1.56}^{+1.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 124.80 | 52.20 | ${ }_{-3.31}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1}{ }^{-1.533} \%$ | ${ }_{-2 .}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1}^{+2.115 \%}$ | $\pm 1.18 \%$ |
| 13.6 | 125.00 | 52.06 | ${ }_{-3.31}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{+2.53} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.09 | 51.99 | ${ }_{-3.31}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{+1.52 \%}$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.20 | 51.91 | ${ }_{-3.31}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{-1.52} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.30 | 51.84 | ${ }_{-3.30}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.13 \%$ | ${ }_{-1.34}^{+2.52} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64}$ | ${ }_{-1.55}^{+1.11} \%$ | $\pm 1.18 \%$ |
| 13.6 | 125.38 | 51.78 | ${ }_{-3.30}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.13 \%$ | ${ }_{-1.34}^{+2.52} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+2.11 \%}$ | $\pm 1.18 \%$ |
| 13.6 | 125.60 | 51.62 | ${ }_{-3}{ }^{-0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{+2.52} \%$ | ${ }_{-}^{+2.67} \%$ | ${ }^{-1.64} \%$ | ${ }_{-1.55}^{+2.11} \%$ | $\pm 1.17 \%$ |
| 13.6 | 126.00 | 51.33 | ${ }_{-3.30}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.14 \%$ | ${ }_{-1.34}^{-1.51 \%}$ | ${ }_{-2.67}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1}{ }^{-1.115 \%} \%$ | $\pm 1.17 \%$ |
| 13.6 | 128.00 | 49.94 | ${ }_{-39}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{-1.51 \%}$ | ${ }_{-2}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1}{ }^{-1.155} \%$ | $\pm 1.16 \%$ |
| 13.6 | 130.00 | 48.60 | ${ }_{-3.28}^{+0.55 \%}$ | $\pm 1.00 \%$ | $\pm 0.80 \%$ | $\pm 0.15 \%$ | ${ }_{-1.33}^{+2.51} \%$ | ${ }_{-2.25}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+1.10} \%$ | $\pm 1.15 \%$ |


| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (theory) | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta\left(1 / m_{\mathrm{t}}\right)$ | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.0 | 120.00 | 58.66 | ${ }_{-5.40}^{+3.15} \%$ | ${ }_{-2.55}^{+0.31 \%}$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 1.00 \%$ | ${ }_{-2.27}^{+2.67} \%$ | ${ }_{+}^{+1.65 \%}$ | ${ }_{-1.56}^{+2.10} \%$ | $\pm 1.23 \%$ |
| 14.0 | 122.00 | 56.97 | ${ }_{-5.35}^{+3.13} \%$ | ${ }_{-2.52}^{+0.30} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.67} \%$ | +1.65\% | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.21 \%$ |
| 14.0 | 124.00 | 55.38 | ${ }_{-5.31}^{+3.11} \%$ | ${ }_{-2.48}^{+0.29} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.66} \%$ | ${ }_{+}^{+1.64}+1.64$ | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.20 \%$ |
| 14.0 | 124.60 | 54.91 | ${ }_{-5.29}^{+3.10} \%$ | ${ }_{-2.47}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.66} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.55}^{+2.10} \%$ | $\pm 1.19 \%$ |
| 14.0 | 124.80 | 54.76 | ${ }_{-5.29}^{+5.10} \%$ | ${ }_{-2.47}^{+0.28 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.26}^{+2.66 \%}$ | ${ }_{+1.64}^{+1.64}$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.00 | 54.60 | ${ }_{-5.28}^{+3.10} \%$ | ${ }_{-2.46}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.09 | 54.53 | ${ }_{-5.28}^{+3.10} \%$ | ${ }_{-2.46}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.20 | 54.45 | ${ }_{-5.28}^{+3.10} \%$ | ${ }_{-2.46}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.30 | 54.38 | ${ }_{-5.27}^{+5.10} \%$ | ${ }_{-2.46}^{+0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.38 | 54.32 | ${ }_{-5.27}^{+5.09 \%}$ | ${ }^{-1}+2.28 \% \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+2.09 \%} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.60 | 54.15 | ${ }_{-5.27}^{+5.09} \%$ | ${ }_{-2.45}^{-0.28} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 1.00 \%$ | ${ }_{-2}^{+2.66 \%}$ | ${ }^{+1.64}+{ }_{+1.64}^{+1.64}$ | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.19 \%$ |
| 14.0 | 126.00 | 53.85 | ${ }_{-5.26}^{+5.09 \%}$ | ${ }_{-2.45}^{-0.28 \%}$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 1.00 \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1.54}^{+2.09} \%$ | $\pm 1.19 \%$ |
| 14.0 | 128.00 | 52.38 | ${ }_{-5.22}^{+3.07} \%$ | ${ }_{-2.26}^{+0.26} \%$ | $\pm 1.00 \%$ | $\pm 0.80 \%$ | $\pm 1.00 \%$ | ${ }_{-2}^{+2.66 \%}$ | ${ }_{+}^{+1.64} \%$ |  | $\pm 1.17 \%$ |
| 14.0 | 130.00 | 50.97 | ${ }_{-5.18}^{+3.05} \%$ | ${ }_{-2.38}^{+0.25} \%$ | $\pm 1.00 \%$ | $\pm 0.80 \%$ | $\pm 1.00 \%$ | ${ }_{-2.24}^{+2.65} \%$ | ${ }_{+}^{+1.64}+1.64{ }^{+1.64} \%$ | ${ }_{-1.53}^{+2.09} \%$ | $\pm 1.16 \%$ |
| $\sqrt{s}[\mathrm{TeV}]$ | $M_{\mathrm{H}}[\mathrm{GeV}]$ | $\sigma[\mathrm{pb}]$ | $\delta$ (scale) | $\delta(\mathrm{EWK})$ | $\delta(\mathrm{t}, \mathrm{b}, \mathrm{c})$ | $\delta^{\sum}\left(m_{\mathrm{t}}\right)$ | $\delta$ (theory) | $\delta\left(\mathrm{PDF}+\alpha_{s}\right)$ | $\delta(\mathrm{PDF})$ | $\delta\left(\alpha_{s}\right)$ | $\delta(\mathrm{PDF}-\mathrm{TH})$ |
| 14.0 | 120.00 | 58.51 | ${ }_{-3.31}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.84 \%$ | $\pm 0.15 \%$ | ${ }_{-1.32}^{+2.56} \%$ | ${ }_{-2.27}^{+2.68} \%$ | ${ }_{+1.65}^{+1.65}$ | ${ }_{-1.57}^{+2.11} \%$ | $\pm 1.23 \%$ |
| 14.0 | 122.00 | 56.87 | ${ }_{-3.30}^{+0.56} \%$ | $\pm 1.00 \%$ | $\pm 0.83 \%$ | $\pm 0.19 \%$ | ${ }_{-1.28}^{+2.58} \%$ | ${ }_{-2.27}^{+2.68} \%$ | +1.65\% | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.21 \%$ |
| 14.0 | 124.00 | 55.29 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.16 \%$ | ${ }_{-1.31}^{+2.54} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64}$ | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.20 \%$ |
| 14.0 | 124.60 | 54.82 | ${ }_{-3 .}{ }^{-3.56 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.15 \%$ | ${ }_{-1.32}^{+1.52} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{\text {- }}{ }^{1.644} \%$ | ${ }_{-1.56}^{+2.11} \%$ | $\pm 1.20 \%$ |
| 14.0 | 124.80 | 54.67 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.14 \%$ | ${ }_{-1}{ }^{-1.532} \%$ | ${ }_{-2 .}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1}{ }^{-1.1156} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.00 | 54.52 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{+2.51} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+2.11} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.09 | 54.45 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{+1.51 \%}$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{+1.11 \%}$ | $\pm 1.19 \%$ |
| 14.0 | 125.20 | 54.37 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{-1.51} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{-1.11} \%$ | $\pm 1.19 \%$ |
| 14.0 | 125.30 | 54.29 | ${ }_{-3.29}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.13 \%$ | ${ }_{-1.34}^{+1.50} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64}$ | ${ }_{-1.55}^{+2.11 \%}$ | $\pm 1.19 \%$ |
| 14.0 | 125.38 | 54.23 | ${ }_{-3.28}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.13 \%$ | ${ }_{-1.34}^{+2.50} \%$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64}$ | ${ }_{-1.55}^{+2.11 \%}$ | $\pm 1.19 \%$ |
| 14.0 | 125.60 | 54.06 | ${ }_{-3}^{+0.56 \%} \%$ | $\pm 1.00 \%$ | $\pm 0.82 \%$ | $\pm 0.13 \%$ | ${ }_{-1.34}^{+2.50} \%$ | ${ }_{-}^{+2.67} \%$ | ${ }_{+}^{+1.64} \%$ | ${ }_{-1}^{+2.115} \%$ | $\pm 1.19 \%$ |
| 14.0 | 126.00 | 53.77 | ${ }_{-3.28}^{+0.56 \%}$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{-1.51 \%}$ | ${ }_{-2.26}^{+2.67} \%$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.55}^{-1.10 \%}$ | $\pm 1.19 \%$ |
| 14.0 | 128.00 | 52.31 | ${ }_{-3.28}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.81 \%$ | $\pm 0.14 \%$ | ${ }_{-1.33}^{+2.50} \%$ | ${ }_{-}^{+2.67} \%$ | ${ }^{+1.64} \%$ | ${ }^{-1}{ }^{+2.105} \%$ | $\pm 1.17 \%$ |
| 14.0 | 130.00 | 50.91 | ${ }_{-3.27}^{+0.55} \%$ | $\pm 1.00 \%$ | $\pm 0.80 \%$ | $\pm 0.15 \%$ | ${ }_{-1.33}^{+2.50} \%$ | ${ }_{-2.25}^{+2.66 \%}$ | ${ }_{+1.64}^{+1.64} \%$ | ${ }_{-1.54}^{+2.10} \%$ | $\pm 1.16 \%$ |

