Measurement of the top quark pair production cross section in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$

—Supplemental Material—

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FIG. 1. The $t\bar{t}$ production cross section in $p\bar{p}$ and $pp$ collisions as a function of $\sqrt{s}$. The Tevatron combination is given at $\sqrt{s} = 1.96$ TeV \cite{1}, as are the CMS results at 7 and 8 TeV in the dilepton channels \cite{2,3}. The CMS result at 13 TeV is also shown in the figure where the inner error bar corresponds to the statistical uncertainty and the outer one to the total uncertainty. The measurements are compared to NNLO+NNLL theoretical predictions \cite{4}.