NNLO+NNLL t$\bar{t}$ cross sections at the LHC ($\sqrt{s}$ = 7 TeV)

Solid lines: envelope and midpoint.
Dashed lines: statistical combination.

G. Watt   (April 2013)

Top++ (v2.0), $\mu_R = \mu_F = m_t^{pole}$ = 173.18 GeV

MSTW08   **CT10**   **NNPDF2.3**
$\alpha_S(M_Z^2)$ = 0.1171 $\alpha_S(M_Z^2)$ = 0.1180 $\alpha_S(M_Z^2)$ = 0.1190
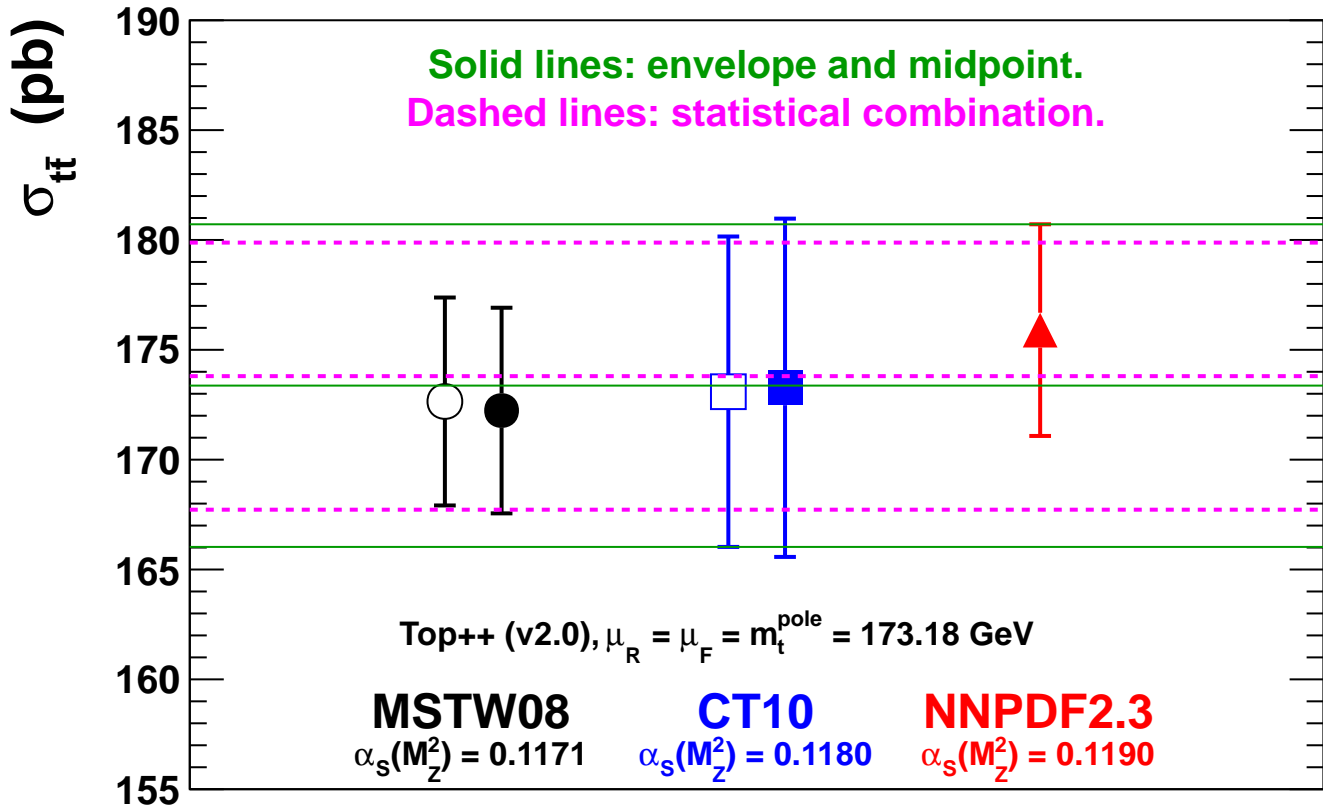
Open markers: usual best-fit and 68% C.L. Hessian uncertainty.
Closed markers: average and s.d. over random predictions.