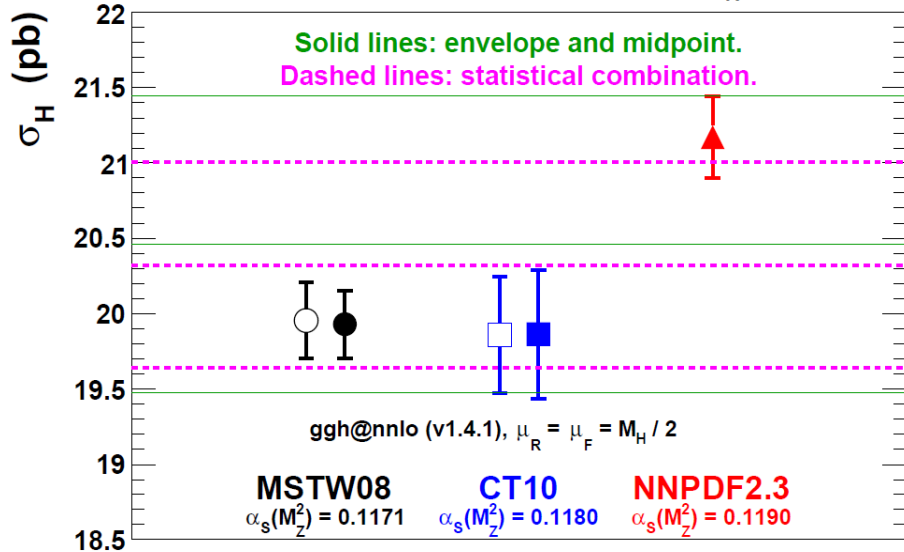


pdf shape for PDF uncertainties

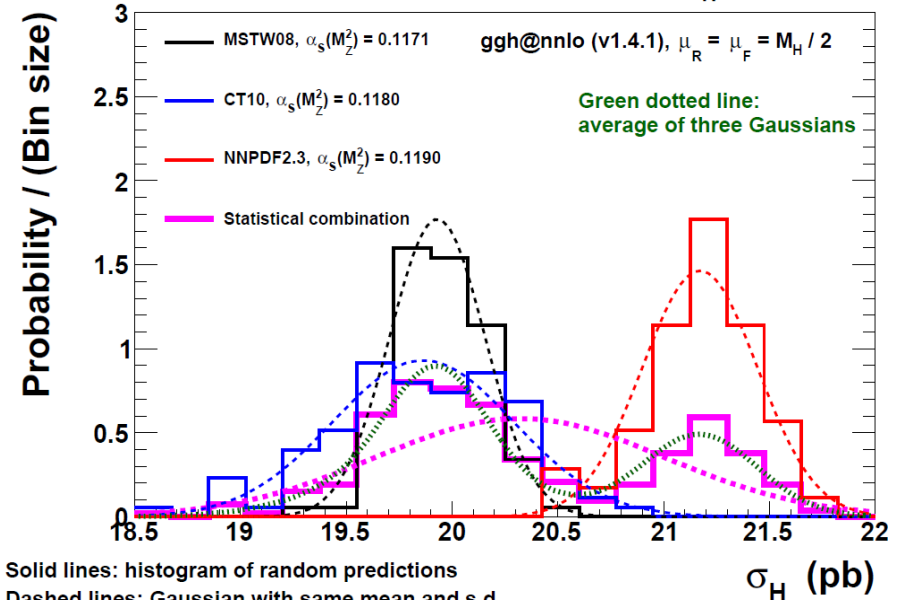
Work by G. Watt, S. Forte, R. Thorne. See arXiv:1301.6754 for details

NNLO $gg \rightarrow H$ at the LHC ($\sqrt{s} = 8$ TeV) for $M_H = 126$ GeV



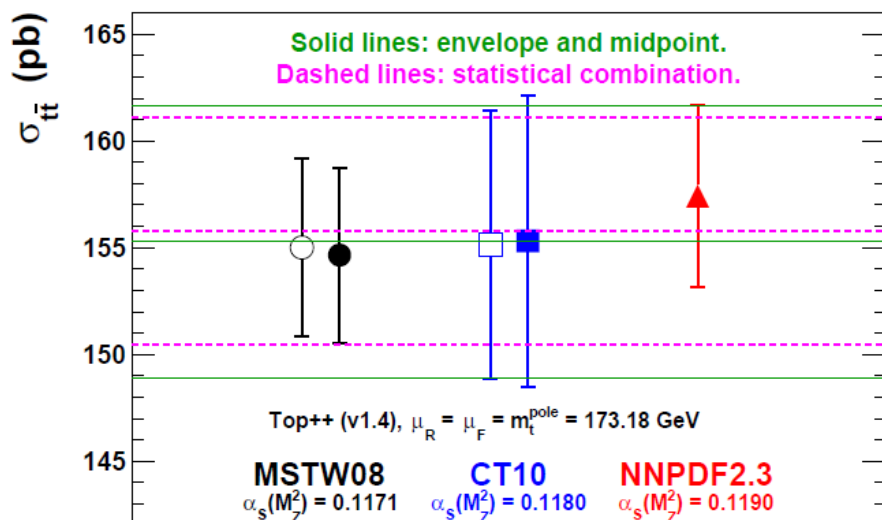
Open markers: usual best-fit and 68% C.L. Hessian uncertainty.
Closed markers: average and s.d. over random predictions.

NNLO $gg \rightarrow H$ at the LHC ($\sqrt{s} = 8$ TeV) for $M_H = 126$ GeV



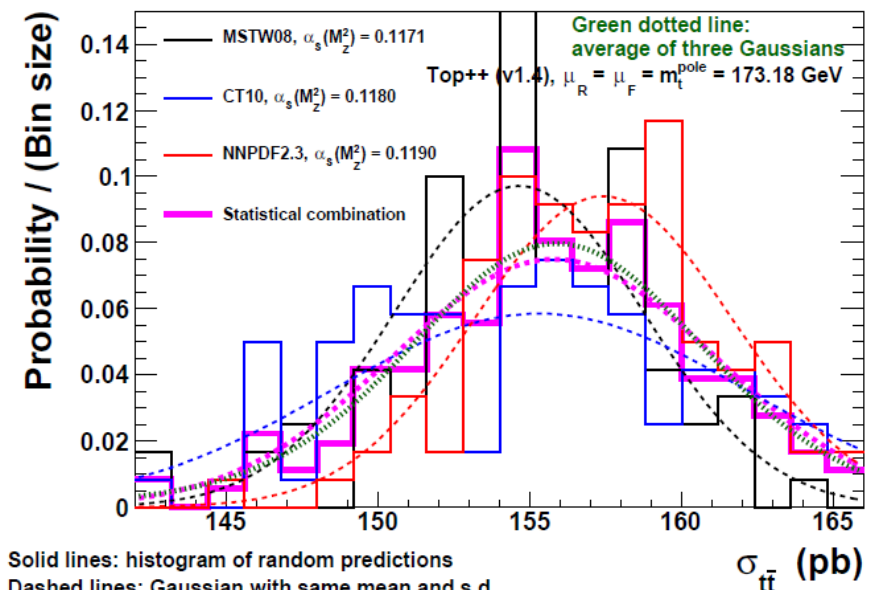
Solid lines: histogram of random predictions
Dashed lines: Gaussian with same mean and s.d.

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



Open markers: usual best-fit and 68% C.L. Hessian uncertainty.
Closed markers: average and s.d. over random predictions.

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



Solid lines: histogram of random predictions
Dashed lines: Gaussian with same mean and s.d.

$gg \rightarrow H$

$t\bar{t}$