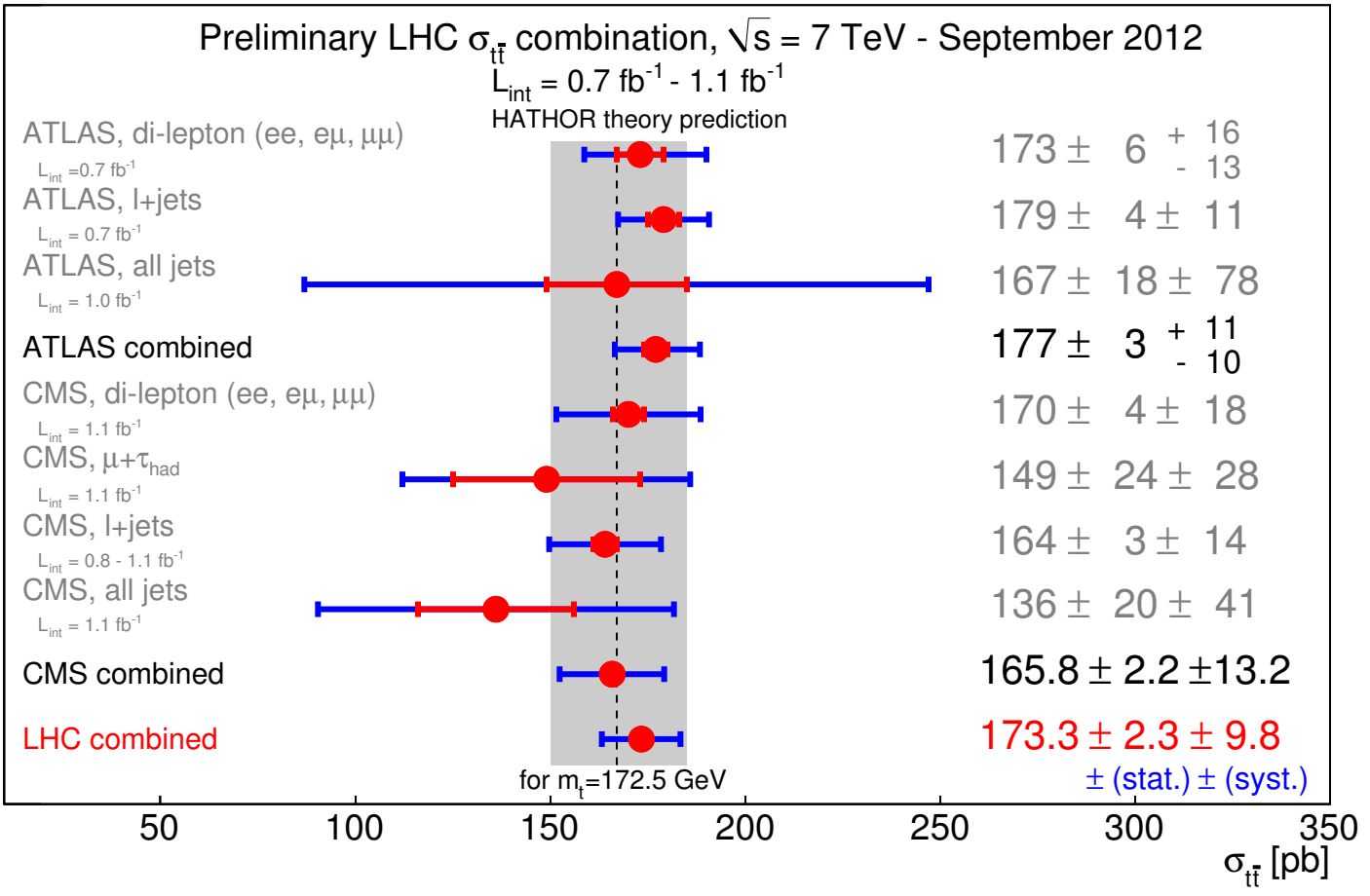
Preliminary LHC $\sigma_{t\bar{t}}$ combination, $\sqrt{s}$ = 7 TeV - September 2012
L_{int} = 0.7 fb^{-1} - 1.1 fb^{-1}
HATHOR theory prediction
ATLAS, di-lepton (ee, eμ, μμ)
L_{int} =0.7 fb^{-1}
173 ± 6 $^{+16}_{-13}$
ATLAS, l+jets
L_{int} = 0.7 fb^{-1}
179 ± 4 ± 11
ATLAS, all jets
L_{int} = 1.0 fb^{-1}
167 ± 18 ± 78
ATLAS combined
177 ± 3 $^{+11}_{-10}$
CMS, di-lepton (ee, eμ, μμ)
L_{int} = 1.1 fb^{-1}
170 ± 4 ± 18
CMS, μ+τ_{had}
L_{int} = 1.1 fb^{-1}
149 ± 24 ± 28
CMS, l+jets
L_{int} = 0.8 - 1.1 fb^{-1}
164 ± 3 ± 14
CMS, all jets
L_{int} = 1.1 fb^{-1}
136 ± 20 ± 41
CMS combined
165.8 ± 2.2 ±13.2
LHC combined
173.3 ± 2.3 ± 9.8
± (stat.) ± (syst.)
for m_t=172.5 GeV
50
100
150
200
250
300
350
$\sigma_{t\bar{t}}$ [pb]