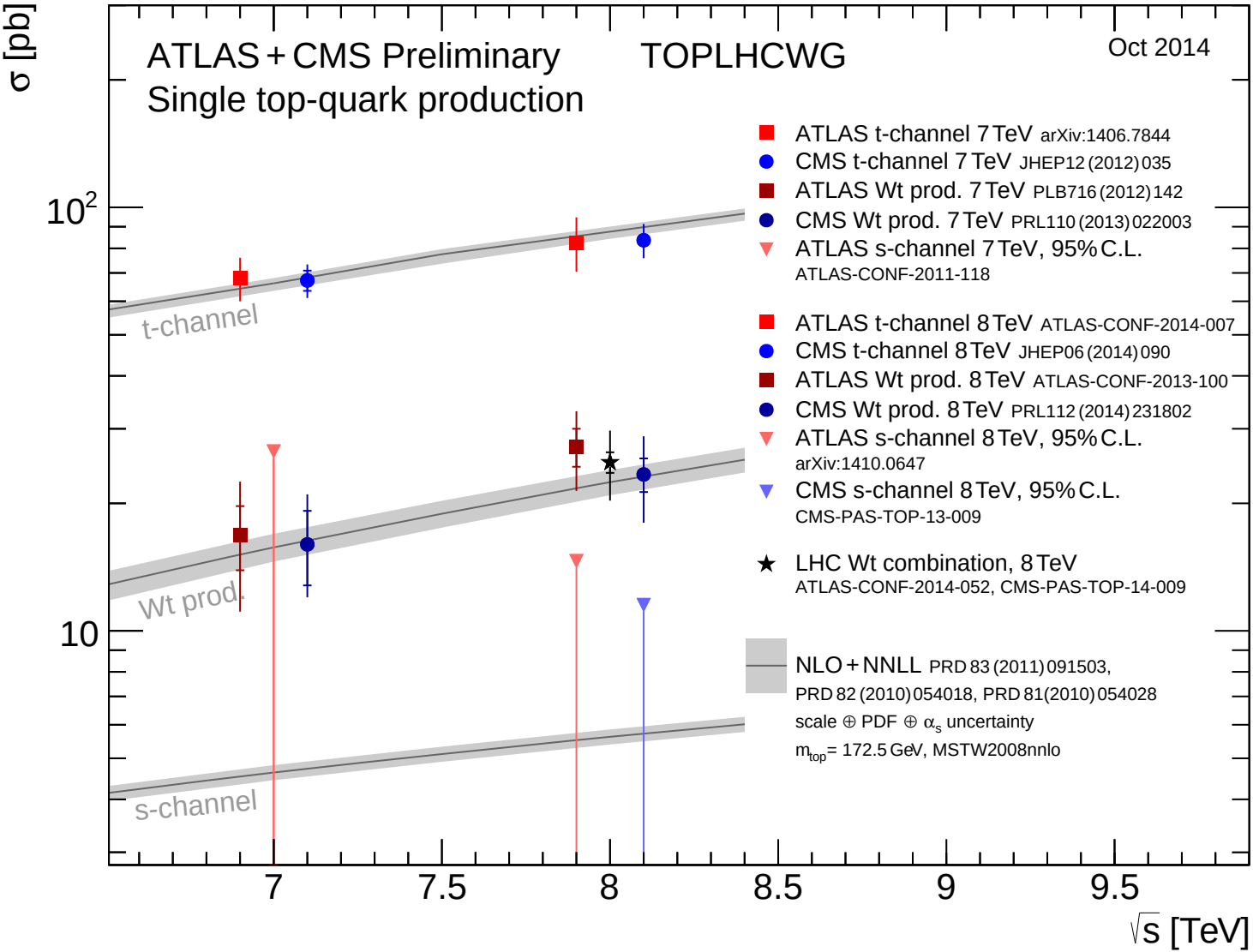
ATLAS + CMS Preliminary
Single top-quark production
TOPLHCWG
Oct 2014
σ [pb]
10^2
10
t-channel
Wt prod.
s-channel
ATLAS t-channel 7 TeV arXiv:1406.7844
CMS t-channel 7 TeV JHEP12 (2012) 035
ATLAS Wt prod. 7 TeV PLB716 (2012) 142
CMS Wt prod. 7 TeV PRL110 (2013) 022003
ATLAS s-channel 7 TeV, 95% C.L.
ATLAS-CONF-2011-118
ATLAS t-channel 8 TeV ATLAS-CONF-2014-007
CMS t-channel 8 TeV JHEP06 (2014) 090
ATLAS Wt prod. 8 TeV ATLAS-CONF-2013-100
CMS Wt prod. 8 TeV PRL112 (2014) 231802
ATLAS s-channel 8 TeV, 95% C.L.
arXiv:1410.0647
CMS s-channel 8 TeV, 95% C.L.
CMS-PAS-TOP-13-009
LHC Wt combination, 8 TeV
ATLAS-CONF-2014-052, CMS-PAS-TOP-14-009
NLO + NNLL PRD 83 (2011) 091503,
PRD 82 (2010) 054018, PRD 81(2010) 054028
scale ⊕ PDF ⊕ α_s uncertainty
m_{top} = 172.5 GeV, MSTW2008nnlo
7
7.5
8
8.5
9
9.5
$\sqrt{s}$ [TeV]