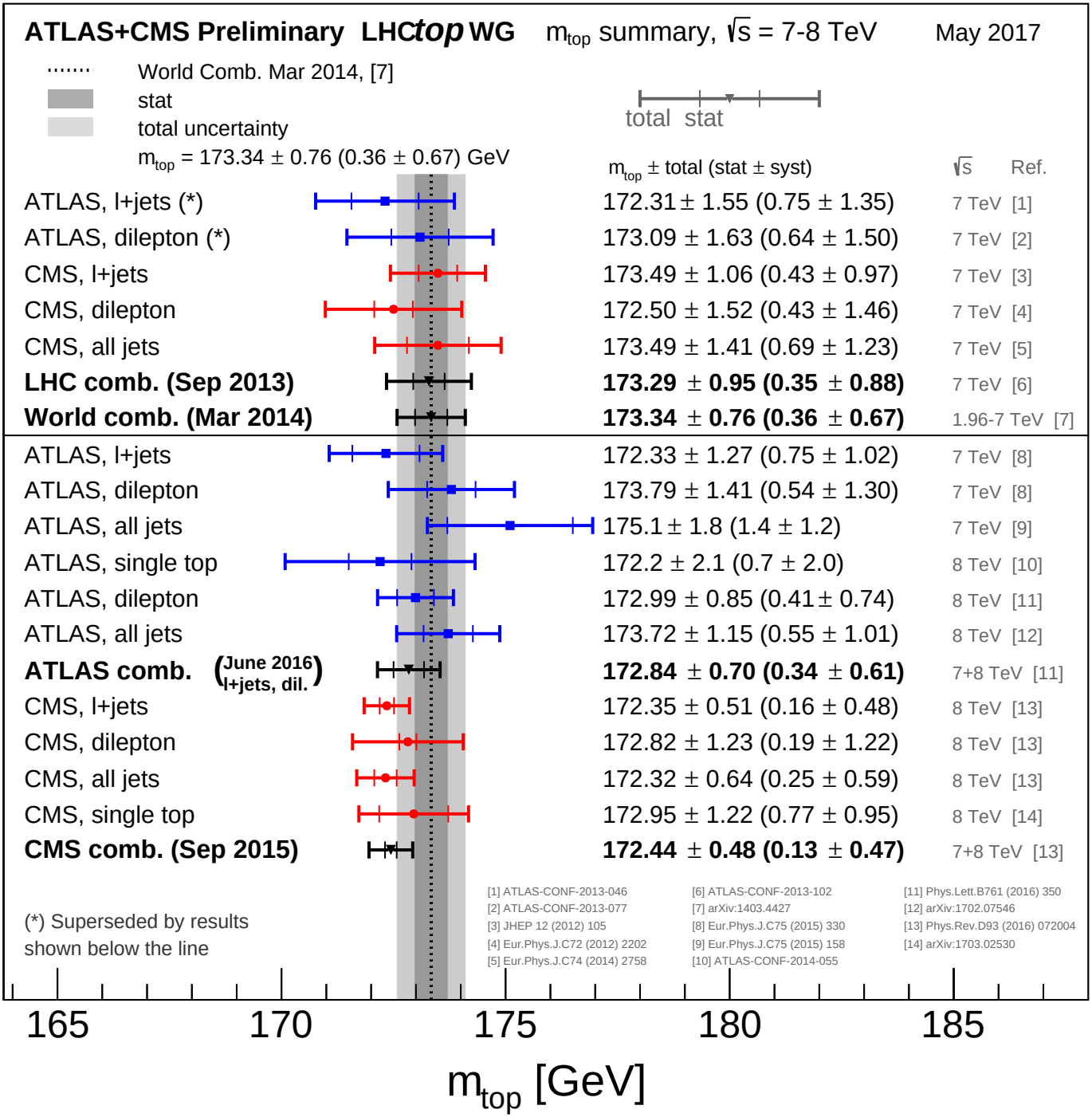
ATLAS+CMS Preliminary LHCtop WG
m_{top} summary, $\sqrt{s}$ = 7-8 TeV
May 2017
World Comb. Mar 2014, [7]
stat
total uncertainty
m_{top} = 173.34 ± 0.76 (0.36 ± 0.67) GeV
total stat
m_{top} ± total (stat ± syst)
$\sqrt{s}$
Ref.
ATLAS, l+jets (*) 172.31 ± 1.55 (0.75 ± 1.35) 7 TeV [1]
ATLAS, dilepton (*) 173.09 ± 1.63 (0.64 ± 1.50) 7 TeV [2]
CMS, l+jets 173.49 ± 1.06 (0.43 ± 0.97) 7 TeV [3]
CMS, dilepton 172.50 ± 1.52 (0.43 ± 1.46) 7 TeV [4]
CMS, all jets 173.49 ± 1.41 (0.69 ± 1.23) 7 TeV [5]
LHC comb. (Sep 2013) 173.29 ± 0.95 (0.35 ± 0.88) 7 TeV [6]
World comb. (Mar 2014) 173.34 ± 0.76 (0.36 ± 0.67) 1.96-7 TeV [7]
ATLAS, l+jets 172.33 ± 1.27 (0.75 ± 1.02) 7 TeV [8]
ATLAS, dilepton 173.79 ± 1.41 (0.54 ± 1.30) 7 TeV [8]
ATLAS, all jets 175.1 ± 1.8 (1.4 ± 1.2) 7 TeV [9]
ATLAS, single top 172.2 ± 2.1 (0.7 ± 2.0) 8 TeV [10]
ATLAS, dilepton 172.99 ± 0.85 (0.41 ± 0.74) 8 TeV [11]
ATLAS, all jets 173.72 ± 1.15 (0.55 ± 1.01) 8 TeV [12]
ATLAS comb. (June 2016 l+jets, dil.) 172.84 ± 0.70 (0.34 ± 0.61) 7+8 TeV [11]
CMS, l+jets 172.35 ± 0.51 (0.16 ± 0.48) 8 TeV [13]
CMS, dilepton 172.82 ± 1.23 (0.19 ± 1.22) 8 TeV [13]
CMS, all jets 172.32 ± 0.64 (0.25 ± 0.59) 8 TeV [13]
CMS, single top 172.95 ± 1.22 (0.77 ± 0.95) 8 TeV [14]
CMS comb. (Sep 2015) 172.44 ± 0.48 (0.13 ± 0.47) 7+8 TeV [13]
(*) Superseded by results shown below the line
[1] ATLAS-CONF-2013-046
[2] ATLAS-CONF-2013-077
[3] JHEP 12 (2012) 105
[4] Eur.Phys.J.C72 (2012) 2202
[5] Eur.Phys.J.C74 (2014) 2758
[6] ATLAS-CONF-2013-102
[7] arXiv:1403.4427
[8] Eur.Phys.J.C75 (2015) 330
[9] Eur.Phys.J.C75 (2015) 158
[10] ATLAS-CONF-2014-055
[11] Phys.Lett.B761 (2016) 350
[12] arXiv:1702.07546
[13] Phys.Rev.D93 (2016) 072004
[14] arXiv:1703.02530
165
170
175
180
185
m_{top} [GeV]