

LHCtopWG

- ..... World comb. (Mar 2014) [2]
- stat
- total uncertainty

total stat

**LHC comb. (Sep 2013)** LHCtopWG**World comb. (Mar 2014)**

ATLAS, l+jets

ATLAS, dilepton

ATLAS, all jets

ATLAS, single top

ATLAS, dilepton

ATLAS, all jets

ATLAS, l+jets

**ATLAS comb. (Oct 2018)**

ATLAS, leptonic invariant mass (\*)

CMS, l+jets

CMS, dilepton

CMS, all jets

CMS, l+jets

CMS, dilepton

CMS, all jets

CMS, single top

**CMS comb. (Sep 2015)**

CMS, l+jets

CMS, dilepton

CMS, all jets

CMS, single top

CMS, boosted jet mass

 $m_{\text{top}} \pm \text{total (stat} \pm \text{syst)}$  $\sqrt{s}$  Ref.**173.29  $\pm$  0.95 (0.35  $\pm$  0.88)**

7 TeV [1]

**173.34  $\pm$  0.76 (0.36  $\pm$  0.67)**

1.96-7 TeV [2]

172.33  $\pm$  1.27 (0.75  $\pm$  1.02)

7 TeV [3]

173.79  $\pm$  1.41 (0.54  $\pm$  1.30)

7 TeV [3]

175.1  $\pm$  1.8 (1.4  $\pm$  1.2)

7 TeV [4]

172.2  $\pm$  2.1 (0.7  $\pm$  2.0)

8 TeV [5]

172.99  $\pm$  0.85 (0.41  $\pm$  0.74)

8 TeV [6]

173.72  $\pm$  1.15 (0.55  $\pm$  1.01)

8 TeV [7]

172.08  $\pm$  0.91 (0.39  $\pm$  0.82)

8 TeV [8]

**172.69  $\pm$  0.48 (0.25  $\pm$  0.41)**

7+8 TeV [8]

174.48  $\pm$  0.78 (0.40  $\pm$  0.67)

13 TeV [9]

173.49  $\pm$  1.06 (0.43  $\pm$  0.97)

7 TeV [10]

172.50  $\pm$  1.52 (0.43  $\pm$  1.46)

7 TeV [11]

173.49  $\pm$  1.41 (0.69  $\pm$  1.23)

7 TeV [12]

172.35  $\pm$  0.51 (0.16  $\pm$  0.48)

8 TeV [13]

172.82  $\pm$  1.23 (0.19  $\pm$  1.22)

8 TeV [13]

172.32  $\pm$  0.64 (0.25  $\pm$  0.59)

8 TeV [13]

172.95  $\pm$  1.22 (0.77  $\pm$  0.95)

8 TeV [14]

**172.44  $\pm$  0.48 (0.13  $\pm$  0.47)**

7+8 TeV [13]

172.25  $\pm$  0.63 (0.08  $\pm$  0.62)

13 TeV [15]

172.33  $\pm$  0.70 (0.14  $\pm$  0.69)

13 TeV [16]

172.34  $\pm$  0.73 (0.20  $\pm$  0.70)

13 TeV [17]

172.13  $\pm$  0.77 (0.32  $\pm$  0.70)

13 TeV [18]

172.6  $\pm$  2.5 (0.4  $\pm$  2.4)

13 TeV [19]

[1] ATLAS-CONF-2013-102

[2] arXiv:1403.4427

[3] EPJC 75 (2015) 330

[4] EPJC 75 (2015) 158

[5] ATLAS-CONF-2014-055

[6] PLB 761 (2016) 350

[7] JHEP 09 (2017) 118

[8] EPJC 79 (2019) 290

[9] ATLAS-CONF-2019-046

[10] JHEP 12 (2012) 105

[11] EPJC 72 (2012) 2202

[12] EPJC 74 (2014) 2758

[13] PRD 93 (2016) 072004

[14] EPJC 77 (2017) 354

[15] EPJC 78 (2018) 891

[16] EPJC 79 (2019) 368

[17] EPJC 79 (2019) 313

[18] JHEP 12 (2021) 161

[19] PRL 124 (2020) 202001

\* Preliminary

165

170

175

180

185

 $m_{\text{top}}$  [GeV]