

	Uncertainty in ATLAS combined result [GeV]: observed (expected)	Uncertainty in CMS combined result [GeV]: observed (expected)	Uncertainty in LHC combined result [GeV]: observed (expected)
Scale uncertainties:			
ATLAS ECAL non-linearity / CMS photon non-linearity	0.08 (0.10)	0.08 (0.10)	0.06 (0.07)
Material in front of ECAL	0.10 (0.08)	0.05 (0.05)	0.05 (0.05)
ECAL longitudinal response	0.07 (0.08)	0.01 (0.01)	0.02 (0.03)
ECAL lateral shower shape	0.07 (0.05)	0.04 (0.05)	0.04 (0.03)
Photon energy resolution	0.02 (0.01)	0.01 (<0.01)	0.02 (<0.01)
ATLAS $H \rightarrow \gamma\gamma$ vertex & conversion re- construction	0.03 (0.03)	–	0.01 (0.01)
$Z \rightarrow ee$ calibration	0.05 (0.04)	0.03 (0.03)	0.03 (0.03)
CMS electron energy scale & resolution	–	0.05 (0.03)	0.03 (0.02)
Muon momentum scale & resolution	0.01 (0.01)	0.07 (0.03)	0.05 (0.02)
Other uncertainties:			
ATLAS $H \rightarrow \gamma\gamma$ background modeling	0.04 (0.03)	–	0.01 (0.01)
Integrated luminosity	0.01 (<0.01)	<0.01 (<0.01)	0.01 (<0.01)
Additional experimental systematic uncer- tainties	0.02 (<0.01)	0.01 (<0.01)	0.01 (<0.01)
Theory uncertainties	<0.01 (<0.01)	0.02 (<0.01)	0.01 (<0.01)
Systematic uncertainty (sum in quadra- ture)	0.18 (0.17)	0.14 (0.13)	0.11 (0.10)
Systematic uncertainty (nominal)	0.18 (0.18)	0.14 (0.13)	0.11 (0.10)
Statistical uncertainty	0.37 (0.37)	0.27 (0.28)	0.21 (0.22)
Total uncertainty	0.41 (0.41)	0.30 (0.31)	0.24 (0.24)
Analysis weights	35% (36%)	65% (64%)	–