

Source	2017 [%]	2018 [%]	Corr.	Corr. w. 15–16
Normalization				
Luminometer backgrounds	0.07	0.07	No	—
Beam current normalization	0.20	0.20	Yes	Yes
Ghost and satellite charges	0.06	0.07	Yes	Yes
Beam-beam effects	0.29	0.30	Yes	Yes
Orbit drift	0.09	0.19	Yes	Yes
Length scale calibration	0.15	0.18	Yes	No
Transverse factorizability	0.29	0.33	Yes	No
Scan-to-scan variation	0.26	0.27	No	No
Bunch-to-bunch variation	0.10	0.10	No	No
Cross-detector consistency at vdM	0.17	0.14	No	No
Integration				
Cross-detector consistency per year	0.19	0.30	No	No
Linearity	0.51	0.42	Yes	No
Total normalization uncertainty	0.59	0.65	—	—
Total integration uncertainty	0.54	0.52	—	—
Total uncertainty	0.81	0.83	—	—