

Source	2015 [%]	2018 [%]	Corr.
Normalization uncertainty			
<i>Bunch population</i>			
Ghost and satellite charge	0.3	0.5	Yes
Beam current calibration	0.2	0.2	Yes
<i>Noncolliding bunches</i>			
Noncollision rate	0.5	0.2	No
<i>Beam position monitoring</i>			
Random orbit drift	0.5	0.1	No
Systematic orbit drift	0.2	0.2	Yes
<i>Beam overlap description</i>			
Length scale calibration	0.5	0.5	Yes
Beam-beam effects	0.2	0.3	Yes
Transverse factorizability	1.1	1.1	No
<i>Result consistency</i>			
Cross-detector consistency	2.5	0.4	No
Scan-to-scan variation	—	0.5	No
Statistical uncertainty	0.2	0.1	No
Integration uncertainty			
<i>Detector performance</i>			
Cross-detector stability	0.7	0.8	No
<i>Noncolliding bunches</i>			
Noncollision rate	0.1	0.1	Yes
Total normalization uncertainty	2.9	1.5	—
Total integration uncertainty	0.7	0.8	—
Total uncertainty	3.0	1.7	—