

Source	Impact on $\sigma_{\text{vis}}$ [%]	
	2015	2018
Ghost and satellite charge	+ (8.2–8.6)	+ (2.5–4.7)
Noncollision rate	–2.5	–0.6
Length scale calibration	–2.4	–1.5
Transverse factorizability	—	+ (0.9–1.3)
Random orbit drift	+0.5	–0.1
Systematic orbit drift	—	—
Beam-beam effects	—	—