

Year	2016	2017	2018
System	pPb	pp	PbPb
$\sqrt{s_{\text{NN}}}$ (TeV)	8.16	5.02	5.02
Bunch spacing (ns)	100-200	25	75-150
Average pileup	0.25	3	0.0004
Peak instantaneous luminosity ($\text{cm}^{-2}\text{s}^{-1}$)	8×10^{29}	1×10^{34}	6×10^{27}
Integrated luminosity (nb^{-1})	1.73×10^2	3.04×10^5	1.70
Peak interaction rate (kHz)	2 000	40 000	50