

Fill	Sources of uncertainty on bunch population product		
	DCCTs	Ghost fractions	Satellite fractions
Fills with pp at $\sqrt{s} = 8$ TeV			
	0.26	0.029	n.a.
	0.22	0.043	n.a.
	0.19	0.049	0.097
	0.24	0.032	0.019
	0.21	0.019	0.021
	0.21	0.020	0.031
	0.22	0.011	0.011
	0.23	0.013	0.011
Fills with pp at $\sqrt{s} = 7$ TeV			
	0.24	0.064	0.25 [27]
Fills with pp at $\sqrt{s} = 2.76$ TeV			
	0.51	0.047	0.230
	0.22	0.062	0.020
	0.23	0.101	0.024
Fills with pPb at $\sqrt{s_{NN}} = 5$ TeV			
	0.31	0.137	0.070
Fills with Pbp at $\sqrt{s_{NN}} = 5$ TeV			
	0.34	0.192	0.092