

Uncertainty source	PbPb (%)		pPb (%)	
	$\langle \Delta\eta \rangle$	$\langle \Delta\phi \rangle$	$\langle \Delta\eta \rangle$	$\langle \Delta\phi \rangle$
Vertex selection	0.8	1.3	3.2	0.7
Centrality calibration	0.8	0.8	—	—
Pileup selection	—	—	0.4	0.1
Track quality requirements	0.7	3.5	2.7	2.8
Tracking efficiency	1.2	1.0	1.0	3.0
MC closure test	0.5	13.5	1.0	2.0