

Contribution	$p$ Pb dataset		Pb $p$ dataset	
	$\sigma_{\text{syst}}(R)$ [ % ]	$\sigma_{\text{syst}}(\lambda)$ [ % ]	$\sigma_{\text{syst}}(R)$ [ % ]	$\sigma_{\text{syst}}(\lambda)$ [ % ]
Background scaling	4.5–9.0	3.5–11.0	4.5–6.5	3.0–9.5
Background fit range	1.0–3.0	0.5–3.5	2.0–3.5	0.5–4.0
Background fit – fixed $N_0$	0.5–3.0	0.5–3.0	< 0.5	< 0.5
Background fit – resonances	0.5–4.0	0.5–4.0	1.5–3.0	0.5–3.5
PID optimisation	0.5–1.5	0.5–5.0	0.5–10.5	0.5–8.5
Fake tracks	0.5–5.5	1.0–8.0	0.5–4.5	0.5–8.0
Requirement on $z_{\text{PV}}$	0.5–1.5	0.5–3.0	0.5–2.0	0.5–3.5
Coulomb correction	0.5–1.5	1.0–2.5	0.5–2.0	0.5–3.0
SS fit range (min)	1.5–5.0	1.0–8.5	0.5–3.5	0.5–5.5
SS fit range (max)	0.5–1.0	0.5–2.0	0.5–2.0	0.5–3.0
Reference sample	0.5–2.0	0.5–3.0	0.5–2.0	0.5–4.0
Total	6.0–12.0	6.0–16.5	6.5–12.0	5.0–16.0