

Source	Uncertainty (%)
Modelling of the $q^2$ distribution	7.9
Modelling of the $p\pi^-$ mass distribution	7.7
Effect of the partially reconstructed background fit shape	6.9
Choice of BDT efficiency proxy	5.6
Finite size of the simulated sample	4.4
Statistical uncertainty on $\Lambda_b^0 \rightarrow J/\psi p\pi^-$ yield	4.0
Trigger efficiency	3.4
Fit bias	2.2
$\Lambda_b^0 \rightarrow pK^- \mu^+ \mu^-$ contamination	1.6
Simulation corrections	1.3
PID efficiency	1.0
Total	16.1