|  | $p_{\mathrm{T}}$ bins$\mathcal{R}=a+\exp \left(b+c \times p_{\mathrm{T}}\right)$ |  |  | $\mathcal{R}=a$ | $(\eta-\bar{\eta})$ | $\mathcal{B} \quad\left(\Lambda_{b}^{0} \rightarrow \Lambda_{c}^{+} \pi^{-}\right)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $b$ | $c$ | $a$ | $b$ |  |
| Fit model |  |  |  |  |  |  |
| Signal | ${ }_{-0.4}^{+0.7} \%$ | ${ }_{-0.2}^{+0.5} \%$ | ${ }_{-0.3}^{+0.2} \%$ | ${ }_{-0.1}^{+0.3} \%$ | ${ }_{-1.8}^{+1.1} \%$ | ${ }_{-0.1}^{+0.2} \%$ |
| Background | ${ }_{-1.7}^{+5.5} \%$ | ${ }_{-2.1}^{+2.8} \%$ | ${ }_{-1.1}^{+2.6} \%$ | ${ }_{-0.1}^{+0.6} \%$ | +2.4 -4.7 | ${ }_{-0.0}^{+0.6} \%$ |
| Efficiencies |  |  |  |  |  |  |
| PID | 0.0\% | 0.5\% | 2.5\% | $-1.3 \%$ | 12.7\% | $-1.1 \%$ |
| BDT | ${ }_{-7.6}^{+5.8} \%$ | $\begin{aligned} & -15.1 \% \\ & +14.2 \end{aligned}$ | $\begin{aligned} & +9.6 \\ & { }_{-10.2} \% \end{aligned}$ | ${ }_{-1.3}^{+1.3} \%$ | ${ }^{+4.7} \%$ | ${ }_{-2.2}^{+2.3} \%$ |
| Sample size | $\pm 12.1 \%$ | $\pm 9.0 \%$ | $\pm 10.8 \%$ | $\pm 0.9 \%$ | $\pm 9.3 \%$ | $\pm 1.2 \%$ |
| Trigger | 0.9\% | 1.0\% | 1.0\% | -0.3\% | -0.1\% | -0.3\% |


| Other |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Bin centre | $\pm 0.3 \%$ | $\pm 0.3 \%$ | $\pm 0.1 \%$ | $\pm 0.1 \%$ | $\pm 1.3 \%$ | $0.0 \%$ |
| Total | ${ }_{-14.5}^{+14.6} \%$ | ${ }_{-17.7}^{+17.1} \%$ | ${ }_{-14.9}^{+14.9} \%$ | ${ }_{-2.1}^{+1.8 \%}$ | ${ }_{-11.6}^{+16.6} \%$ | ${ }_{-2.8}^{+2.6} \%$ |

