

A Supplementary material for LHCb-PAPER-2017-023

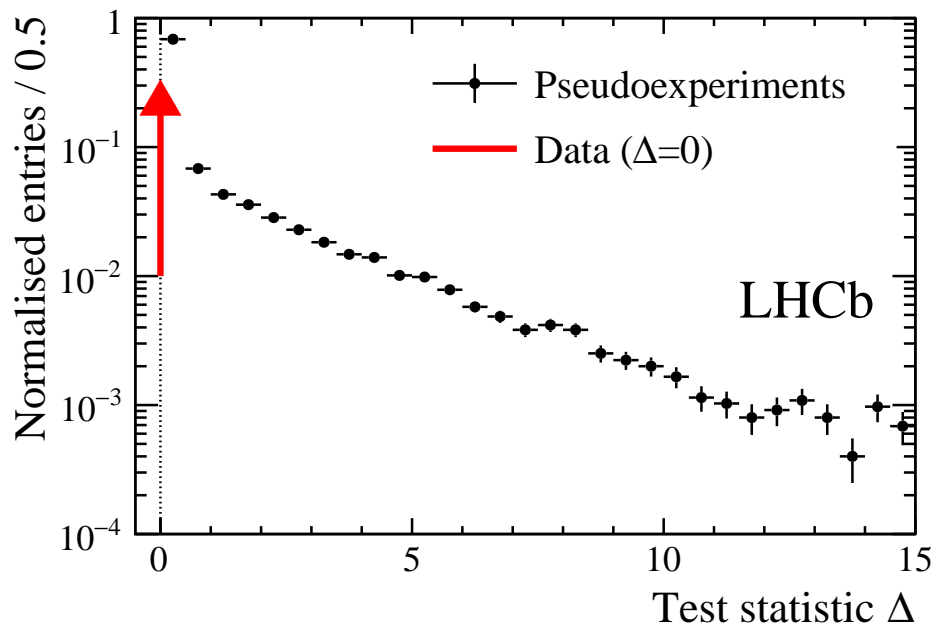


Figure 1: Binned distribution of the test statistic Δ in pseudoexperiments. The distribution in pseudoexperiments generated under the null hypothesis is shown, and the value $\Delta = 0$ obtained in data is shown as a vertical arrow.

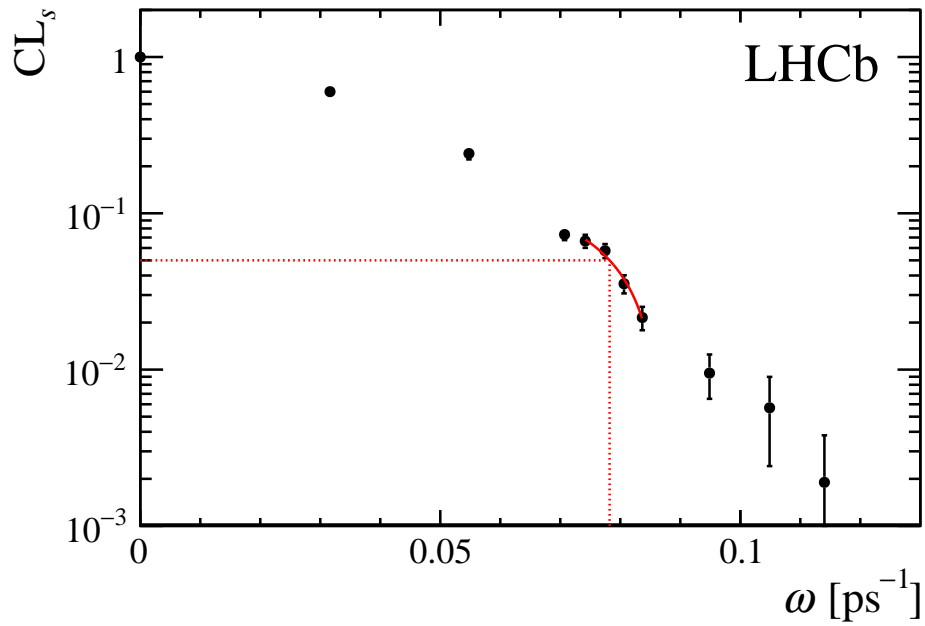


Figure 2: Results of the CL_s limit-setting procedure. The points indicate the values of CL_s obtained for ensembles of pseudoexperiments generated with various input values of the mixing rate ω . The dotted horizontal line indicates $CL_s = 0.05$, and the dotted vertical line indicates the upper limit $\omega < 0.08 \text{ ps}^{-1}$ at the 95% confidence level. The solid, red curve is a local quadratic function in ω^2 used to obtain this limit.