

# Supplementary material for LHCb-PAPER-2021-022

Figure 1 shows the scan of the logarithmic likelihood function over  $\Delta\mathcal{R}e(C_9)$ .

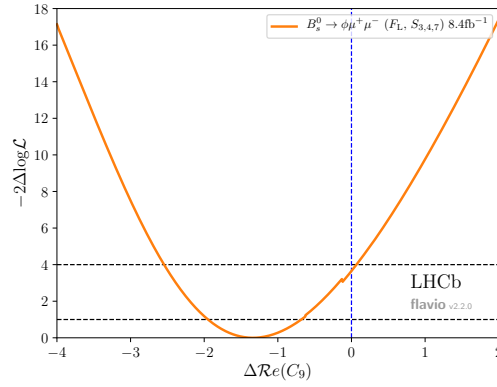


Figure 1: Logarithmic likelihood for the scan over  $\Delta\mathcal{R}e(C_9)$ . The fit uses the  $CP$ -averaged angular observables in the  $q^2$  regions  $[0.1, 0.98] \text{ GeV}^2/c^4$ ,  $[1.1, 4.0] \text{ GeV}^2/c^4$ ,  $[4.0, 6.0] \text{ GeV}^2/c^4$  and  $[15.0, 18.9] \text{ GeV}^2/c^4$ .