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## Flavour tagging at LHCb and measurements of B meson oscillations

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The identification of the flavour of reconstructed  $B^0$  and  $B^0_s$  mesons at production is necessary for the measurements of oscillations and time-dependent CP asymmetries. We report on the techniques developed by the LHCb experiment for flavor tagging and on the procedures used to optimize and calibrate its performance using data samples of different flavour-specific B decays. We also describe the latest results on B meson oscillations obtained using flavour tagging, including the updated determination of the  $B^0$  and  $B^0_s$  mixing frequencies  $\Delta m_d$  and  $\Delta m_s$ .

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