

# Beauty to charmonium decays at LHCb

*Saturday 20 July 2024 16:00 (15 minutes)*

The presence of charmonium in the final states of  $B$  decays is a very clean experimental signature that allow the efficient collection of large samples of these decays. Such a clean experimental signature makes these decays also suitable for precision measurements of beauty hadrons lifetime and width differences  $\Delta\Gamma_q$  ( $q = d, s$ ). In this work we present the most recent results of LHCb in the study of these decays, with particular attention to lifetime and branching ratio measurements.

## Alternate track

### I read the instructions above

Yes

**Primary author:** Dr GARCIA MARTIN, Luis Miguel (EPFL - Ecole Polytechnique Federale Lausanne (CH))

**Co-author:** VOS, Keri (Nikhef National institute for subatomic physics (NL))

**Presenter:** Dr GARCIA MARTIN, Luis Miguel (EPFL - Ecole Polytechnique Federale Lausanne (CH))

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