

Supplementary material for LHCb-PAPER-2019-008

This appendix contains supplementary material that will be posted on the public cds record but will not appear in the paper.

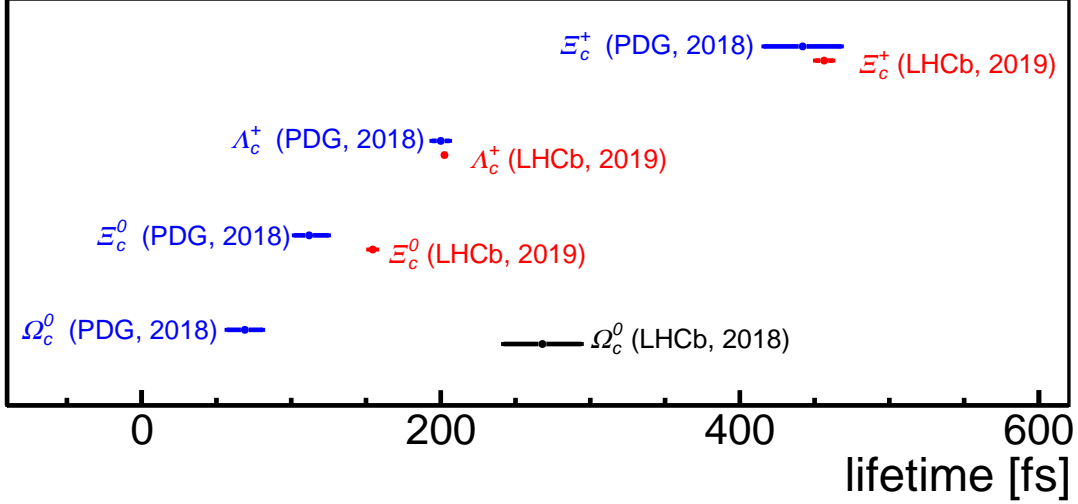


Figure 1: World average lifetimes of the weakly decaying charm baryons [1] (blue), the recent Ω_c^0 lifetime measured by LHCb [2] (black), and the new results obtained in this analysis (red). The error bars are obtained from the quadrature sum of the statistical and systematic uncertainties.

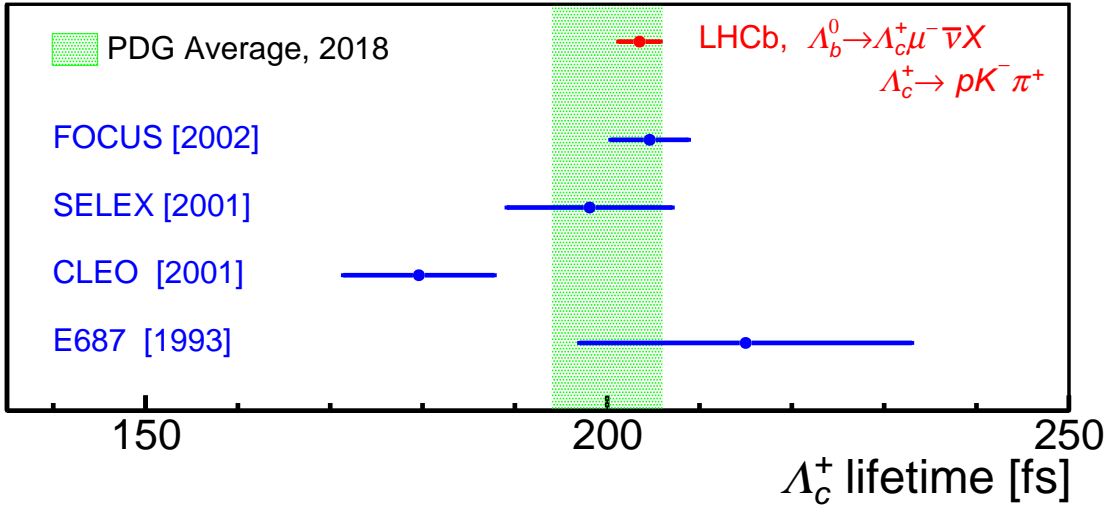


Figure 2: Graph showing the Λ_c^+ lifetime obtained from the LHCb data (this result), along with the world-average value [1], and individual measurements from the FOCUS [3], SELEX [4], CLEO [5] and E687 [6] collaborations. The error bars are obtained from the quadrature sum of the statistical and systematic uncertainties.

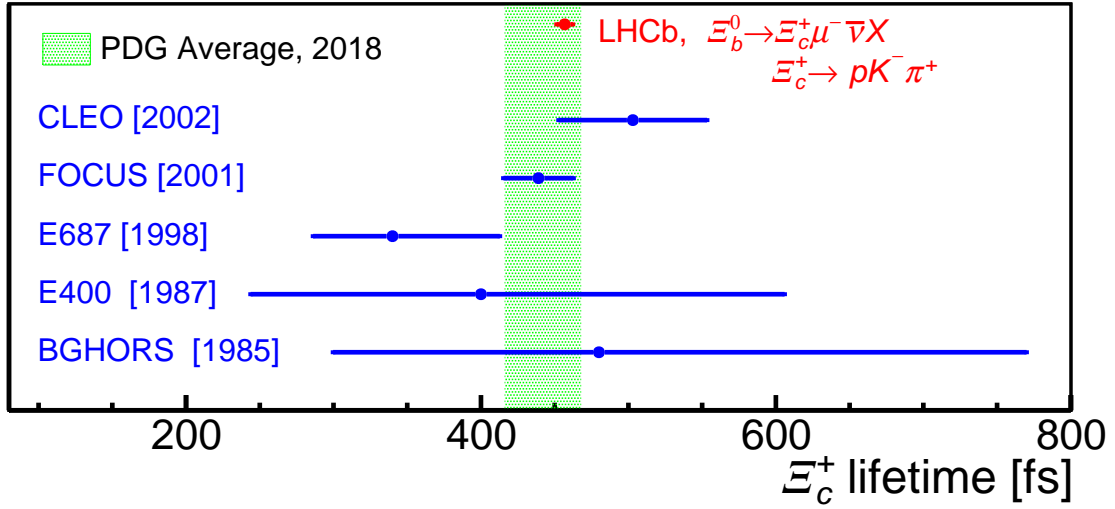


Figure 3: Graph showing the Ξ_c^+ lifetime obtained from the LHCb data (this result), along with the world-average value [1], and individual measurements from the FOCUS [7], CLEO [8], E687 [9], E400 [10] and BGHORS [11] collaborations. The error bars are obtained from the quadrature sum of the statistical and systematic uncertainties.

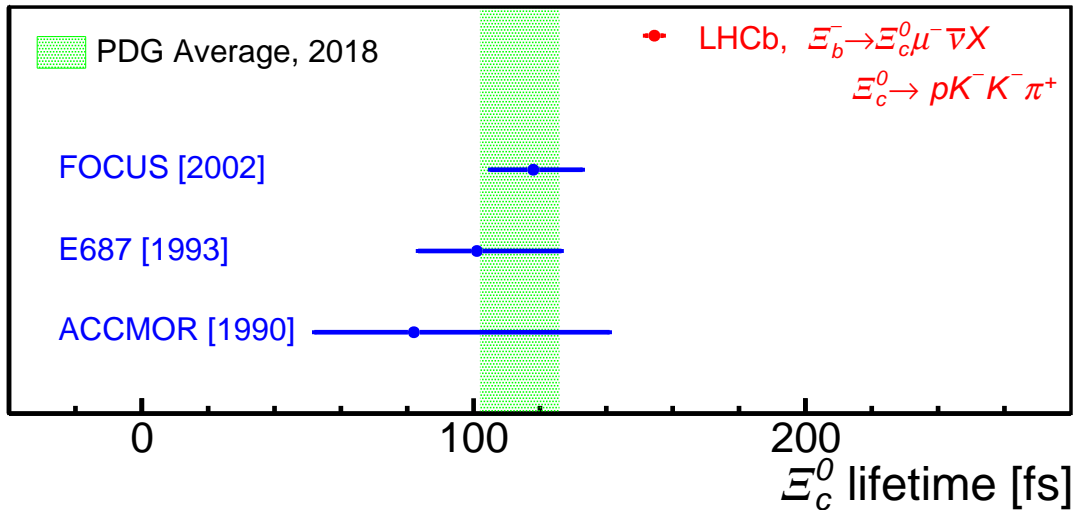


Figure 4: Graph showing the Ξ_c^0 lifetime obtained from the LHCb data (this result), along with the world-average value [1], and individual measurements from the FOCUS [12], E687 [13] and ACCMOR [14] collaborations. The error bars are obtained from the quadrature sum of the statistical and systematic uncertainties.