

# Lambdac physics and prospects at BESIII

*Wednesday, July 29, 2020 6:50 PM (15 minutes)*

BESIII collected an  $e^+e^-$  collision data set corresponding to an integrated luminosity of  $0.567 \text{ fb}^{-1}$  at a center-of-mass energy of 4.6 GeV. This energy is above the threshold for  $\Lambda_c$  production. This talk reports measurements of the absolute branching fractions of both Cabibbo-favoured and Cabibbo-suppressed hadronic decays. In addition, measurements of semileptonic and inclusive final state branching fractions, as well as the weak decay asymmetry, are reported. These measurements are either the first or more precise than previous ones.

During 2020 additional data with integrated luminosity of  $3\text{-}4 \text{ fb}^{-1}$  will be accumulated at centre-of-mass energies between 4.62 to 4.70 GeV. The prospects for  $\Lambda_c$  physics with this new data set are presented.

## I read the instructions

## Secondary track (number)

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