

Heavy baryon two-body decays from light-cone sum rules

We systematically study the heavy baryon two-body decays by utilizing light-cone sum rules, for $\Lambda_b \rightarrow p\pi$ and pK , all the topologies (tree and penguin) are figured out in a three-point correlator scheme, then the branching fractions and CP-violation are achievable. Furthermore, we propose a two-point correlator scheme for comparison, part of the topologies are calculable in this scheme, which demonstrates some interesting properties.

Presentation type

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Primary author: Mr JIANG, Hua-Yu (University of Lanzhou, University of Siegen)

Co-authors: Prof. KHODJAMIRIAN, Alexander (University of Siegen); Prof. YU, Fu-Sheng (University of Lanzhou); Dr CHENG, Shan (Hunan University)

Presenter: Mr JIANG, Hua-Yu (University of Lanzhou, University of Siegen)