

Amplitude Analysis Tools at BESIII

Wednesday, 7 June 2023 14:00 (30 minutes)

Amplitude analysis is a powerful method for studying the intermediate processes of particle decays. However, considering the full kinematics, it can be a complex task that requires a deep understanding of particle physics. With the high statistics data provided by BESIII, analyzing this data simply and efficiently is a significant challenge. In this talk, we will provide a review of the recently developed amplitude analysis tools used in BESIII and introduce our solution to the general amplitude analysis framework, TF-PWA. This presentation aims to simplify the analysis process and improve the efficiency of amplitude analysis using BESIII data.

Primary author: JIANG, Yi (University of Chinese Academy of Sciences (UCAS))

Presenter: JIANG, Yi (University of Chinese Academy of Sciences (UCAS))

Session Classification: Analysis tools

Track Classification: Analysis tools