

Amplitude analysis at BESIII

Content

BESIII (Beijing Spectrometer) is a general purpose 4π detector at the upgraded BEPCII (Beijing Electron and Positron Collider) that operated in the τ -charm threshold energy region[1]. Since 2009, it has collected the world's largest data samples of J/ψ , $\psi(3686)$, $\psi(3770)$ and $\psi(4040)$ decays. More recently, data were taken in the energy region above 4 GeV, where energies up to about 4.6 GeV are accessible. These data are being used to make a variety of interesting and unique studies of light hadron spectroscopy, charmonium spectroscopy, high-statistics measurements of charmonium decays and D meson decays.

Amplitude analyses of J/ψ radiative decays, the spin-parity determination of $Z_c(3900)$, as well as amplitude analyses of charm meson decays will be reported.

Summary

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