

Recent highlights from the BESIII experiment

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The Beijing Spectrometer (BESIII) at the Beijing Electron-Positron Collider (BEPC-II) is a multi-purpose hadron physics experiment optimized in the tau-charm energy region. Its world-record samples of vector charmonia such as J/Ψ , $\Psi(3686)$ and $\Psi(3773)$, as well as energy scans between 2.0 GeV and 4.95 GeV have opened new avenues in hadron spectroscopy and structure. Furthermore, recently developed experimental techniques combined with the abundant production of strange hyperon-antihyperon pairs have enabled unique tests of fundamental symmetries as well as novel probes of hyperon-nucleon and antihyperon-nucleon interactions. In this talk, I will present recent highlights from the BESIII experiment, with the ambition to reflect its broad and diverse physics potential.

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