Contribution ID: 12 Type: Talk

Observation of e+e- to chi_c1 at BESIII

Tuesday, 17 October 2023 11:00 (30 minutes)

In electron-positron annihilation, the process of e+e--> chi_c1 can occur via the production of two virtual photons or through neutral current, therefore being suppressed with respect to the normal annihilation process via one virtual photon. Using a dedicated scan sample around the chi_c1 mass, the direct production of chi_c1 has been established for the first time in experiments. This provides a new approach for the study of the internal nature of hadrons.

Parallel Session

Hadron Spectroscopy

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Session Classification: Hadron spectroscopy