

Contribution ID: 98 Type: Parallel

Observation of e+e- to chi_c1 at BESIII

Thursday, 22 June 2023 18:15 (20 minutes)

In electron-positron annihilation, the process of $e^+e^- \to \chi_{c1}$ 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 χ_{c1} mass, the direct production of χ_{c1} has been established for the first time in experiments. This provides a new approach for the study of the internal nature of hadrons.

Collaboration

BESIII

Primary author: BIANCHI, Fabrizio (INFN and University of Torino) **Presenter:** LELLMANN, Max (Johannes Gutenberg University Mainz)

Session Classification: Parallel session A2