



Contribution ID: 285

Type: **Parallel Talk**

Recent XYZ results at BESIII

Saturday, 9 July 2022 15:30 (20 minutes)

Using a scan sample taken at center-of-mass energies from 3.773 GeV to 4.95 GeV with an integrated luminosity of 22/fb, the properties of XYZ states are investigated at BESIII. The cross sections of $e^+e^- \rightarrow D^{*+}D^{*-}$ and $D^{*+}D^-$, $e^+e^- \rightarrow K^+K^-J/\psi$, $e^+e^- \rightarrow \pi^+\pi^-\psi_2(3823)$, and $e^+e^- \rightarrow \Lambda\bar{\Lambda}$ are measured. The new decay modes of $X(3872) \rightarrow \pi^0\chi_c^0$ and $\pi\pi\chi_c^0$ are searched where $X(3872)$ is produced via the process $e^+e^- \rightarrow \gamma X(3872)$. Candidates of the hidden-charm tetra quark with strangeness is studied in the process of $e^+e^- \rightarrow K^+(D_s^-D^{*0} + D_s^{*-}D^0)$.

In-person participation

Yes

Primary author: SPATARO, Stefano (Istituto Nazionale di Fisica Nucleare)

Co-author: BIANCHI, Fabrizio (Istituto Nazionale di Fisica Nucleare)

Presenter: SPATARO, Stefano (Istituto Nazionale di Fisica Nucleare)

Session Classification: Strong interactions and Hadron Physics

Track Classification: Strong interactions and Hadron Physics