

Discovery of a Glueball-like particle X(2370) at BESIII

Saturday 20 July 2024 08:30 (15 minutes)

The radiative decays of J/ψ provide a gluon-rich environment and are therefore regarded as one of the most promising hunting grounds for glueballs. Using the world's largest samples of J/ψ events produced in e^+e^- annihilation, BESIII performed the first measurements of the quantum numbers of the $X(2370)$ particle, along with its mass, production, and decay properties, and found that they are consistent with the features of a glueball.

Alternate track

1. Quark and Lepton Flavour Physics

I read the instructions above

Yes

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Session Classification: Strong interactions and Hadron Physics

Track Classification: 06. Strong Interactions and Hadron Physics