

Contribution ID: 23

Type: **Plenary**

Quarkonium at Belle II

Monday, 17 May 2021 12:00 (30 minutes)

The Belle II experiment at the SuperKEKB energy-asymmetric e^+e^- collider is an upgrade of the B factory facility at KEK in Tsukuba, Japan. The experiment began operation in 2019 and aims to record a factor of 50 times more data than its predecessor. Belle II is uniquely capable of studying the so-called “XYZ” particles: heavy exotic hadrons consisting of more than three quarks. First discovered by Belle, these now number in the dozens, and represent the emergence of a new category within quantum chromodynamics. We present recent results in new Belle II data, and the future prospects to explore both exotic and conventional quarkonium physics.

Collaboration

Belle II

Primary author: TAMPONI, Umberto (INFN Torino)**Co-author:** LIBBY, Jim (Indian Institute of Technology Madras)**Presenter:** TAMPONI, Umberto (INFN Torino)**Session Classification:** Plenary Session