



Contribution ID: 54

Type: **Talk**

Exotic and Conventional Quarkonium Physics Prospects at Belle II

Thursday, 2 August 2018 14:00 (20 minutes)

The Belle II experiment, now operating at the KEK laboratory in Japan, is a substantial upgrade of both the Belle detector and the KEKB e^+e^- accelerator. It aims to collect 50 times more data than existing B-Factory samples. Belle II is uniquely capable to study 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. This talk will present the capabilities of Belle II to explore both exotic and conventional quarkonium physics.

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Session Classification: Heavy quarks

Track Classification: C: Heavy quarks