Contribution ID: **296** Type: **Talk**

Belle II status and prospects

Tuesday, 31 August 2021 10:00 (30 minutes)

Belle II at the electron-positron collider SuperKEKB is the successor to the Belle experiment. Its design luminosity is 6 ·1035/(cm2s), 40 times the record achieved at KEKB/Belle, at the same center of mass energy in the bottomonium region. Over the next years it is expected to accumulate an integrated luminosity of 50 ab−1, collecting by far the largest sample of B-mesons at electron-positron colliders, together with large numbers of bottomonium and lighter particles. After a commissioning run in 2018 the detector started routine data taking in March 2019. we have collected more than 200 fb-1 statistics so far. In this talk the current status of the detector, current and future running conditions a selection of the present physics results and further physics prospects will be shown.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

Belle II

Is the speaker for that presentation defined?

Yes

Details

Dr Paolo Branchini

Internet talk

Yes

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