

First Collisions at Belle II

Wednesday, 30 May 2018 15:20 (20 minutes)

The Belle II experiment at the asymmetric energy e^+e^- collider SuperKEKB is a next generation B-factory, taking advantage of an upgrade of the collider complex to deliver about $40\times$ the luminosity that was available to Belle. Together with a state-of-the-art detector upgrade, a rich physics program will be accessible by Belle II. Highlights are beyond-the-standard-model physics searches in precision measurements of the flavor sector and a rich spectroscopy program. Belle II is set to see first collisions at the end of April of this year, and by the time of this presentation, the second commissioning phase with beam and the full detector, except the vertex detector, will be in full swing. This talk will give the status of the commissioning as well as an outlook of the physics program with a focus on measurements possible with data from phase II.

E-mail

agvossen@gmail.com

Collaboration name

Belle II

Primary author: VOSSEN, Anselm (Duke University/JLab)

Presenter: VOSSEN, Anselm (Duke University/JLab)

Session Classification: Heavy Flavors and the CKM Matrix

Track Classification: HFCKM