



Contribution ID: 163

Type: not specified

Fragmentation and Monte Carlo generators at Belle II

Thursday 11 May 2017 17:00 (30 minutes)

The Belle II experiment at the SuperKEKB collider is a major upgrade of the KEK “B factory” facility in Tsukuba, Japan aiming at an increase of the peak luminosity by a factor of 40. Commissioning of the SuperKEKB main ring took place in the first half of 2016. Phase 2 of the commissioning will start beginning of 2018 after the installation of the final focus system in the IR but still without the vertex detector system. Once machine operation in the nano-beam scheme is established, the goal is to accumulate data for early physics analyses at different center-of-mass energies. In this talk we describe the Belle II physics program in the QCD sector focusing on the tuning of the fragmentation process of quarks in PYTHIA8 Monte Carlo generator.

Author: ROSTOMYAN, Ami (DESY)

Presenter: ROSTOMYAN, Ami (DESY)

Session Classification: Thursday Afternoon (20min talks + 10min discussions)