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## **Physics potential and prospects at SuperKEKB/Belle II ( $10^7 + 5^9$ )**

*Friday, 5 August 2016 14:30 (15 minutes)*

The Belle II experiment, being constructed at the KEK laboratory in Japan, is a substantial upgrade of both the Belle detector and the KEKB accelerator. The Belle II experiment aims to record  $50 \text{ ab}^{-1}$  of data, a factor of 50 more than the Belle experiment. This large data set will be accumulated with low backgrounds and high trigger efficiencies in a clean  $e^+ e^-$  environment and will provide unprecedented sensitivity to new physics signatures in  $B$  and  $D$  meson decays as well as  $\tau$  lepton decays.

This talk will review the physics capabilities of this experiment.

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**Session Classification:** Quark and Lepton Flavor Physics

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