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The Belle II Experiment

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The Belle II experiment is now being constructed at the KEK laboratory in Japan. This project represents a substantial upgrade to both the Belle detector and the KEKB accelerator. The Belle II experiment will record 50° ab⁻¹ of data, a factor of 50 more than that recorded by the Belle experiment. This large data set, combined with the low backgrounds and high trigger efficiencies characteristic of an e^+e^- experiment, should provide unprecedented sensitivity to new physics signatures in *B* and *D* meson decays, and in τ lepton decays. The experiment is scheduled to begin taking data in 2016. This talk will review the capabilities of the experiment, the expected sensitivity to new physics, and the current status of detector construction.

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