

Abstract Submitted
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The Belle II Experiment at SuperKEKB XIAO LONG WANG, Virginia Tech, BELLE II COLLABORATION — I will describe the Belle II experiment and the SuperKEKB project under construction at the High Energy Accelerator Research Organization (KEK) in Japan. At this next-generation flavor factory, the Belle II detector will collect about 50 times more data than Belle, i.e., about 50 ab^{-1} . This data set will permit us to search for evidence of new interactions and particles and to make more precise measurements of Standard Model properties such as CP asymmetries in the decays of heavy mesons and leptons, including missing-energy decay modes such as $B \rightarrow \tau\nu$ that are inaccessible to the LHC experiments.

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