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## Belle II Detector: Status and Proposed US Contribution

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Over the course of the last decade, the Belle detector at the KEKB collider has collected over  $1 \text{ ab}^{-1}$  of integrated luminosity, allowing for a number of precision measurements of the Standard Model, including confirmation of the Kobayashi-Maskawa mechanism of CP violation. In June of 2010, KEKB and Belle were shut down to begin upgrading both the accelerator and detector. The increased luminosity of the new accelerator, Super-KEKB, coupled with significant improvements in background rejection and sensitivity of the upgraded detector, Belle II, will ultimately provide a dataset approximately 50 times larger than that obtained with Belle. The US groups in Belle II have chosen to focus their efforts on areas of the detector that will have high impact on the physics and that match their expertise and experience: high precision particle identification (especially at higher momenta), muon/KL identification and monitoring of the electron-positron beams - during commissioning and operation. In this presentation, we review the plans and status of the SuperKEKB/Belle II upgrade. Additionally, we describe the proposed US contributions to Belle II which take advantage of -and leverage- US expertise in detector and electronics design, accelerator instrumentation, and existing US facilities.

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