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The Belle II Experiment

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Set to begin data taking at the end of 2018, the Belle II experiment is the next-generation B-factory experiment hosted at KEK in Tsukuba, Japan. The experiment represents the cumulative effort from the collaboration of experimental and detector physics, computing, and software development. Taking everything learned from the previous Belle experiment, which ran from 1998 to 2010, Belle II aims to probe deeper than ever before into the field of heavy quark physics. By achieving an integrated luminosity of 50 [ab^-1] and accumulating 50 times more data than the previous experiment across its lifetime, along with a rewritten analysis framework and upgraded computing grid, the Belle II experiment will push the high precision frontier of high energy physics. This talk will give an overview of the key components and development activities that make the Belle II experiment possible.

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