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Status of Belle II and SuperKEKB

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New physics, beyond the standard model, in the quark flavor sector is currently one of the most challenging particle physics topics with tremendous implications in different physics sectors especially if measurements of CP violation in the Standard Model, done at Belle and BaBar experiments, do not explain early universe data like the matter anti-matter asymmetry. With about 40 times more luminosity than KEKB accelerator, SUPERKEKB accelerator and Belle II detector are being built to study such new physics starting in the year 2014-2015. Status of the SUPERKEKB accelerator and status of Belle II detector sub-components will be discussed. Some of B-decay channels with Dark Matter candidates will, also, be discussed within the Belle II detector.

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Classifica Sessioni: Future facilities