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## Probing new physics at SuperKEKB

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### Abstract content

The two experimental facilities called B factories, one constructed at KEK, and another at SLAC, have played essential role in understanding CP asymmetry by providing experimental proof to the Kobayashi-Maskawa model. Also, more interestingly, both experiments noticed that some phenomena may not be understood in the framework of the theory. In other words, we may be seeing the first signals of new physics beyond the Standard Model. To confirm this, the B factory at KEK will be upgraded to SuperKEKB that enables much more precise test of those signals. In this talk, I will cover accomplishment of the B factories and the future experimental program to test P, CP and CPT symmetries of the new physics.

### Summary

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