

# BEACH 2010 - IX International Conference on Hyperons, Charm and Beauty Hadrons



Contribution ID: 41

Type: **not specified**

## Status and Prospects of SuperKEKB and Belle II

We report on the status and plan of the upgrade of the KEK B-factory accelerator, SuperKEKB, with the goal of instantaneous luminosity of  $8 \times 10^{35} \text{ cm}^{-2} \text{ s}^{-1}$ , which is about 40 times higher than current KEKB. Together with the accelerator, the Belle detector will be upgraded as well ("Belle II"), with significant improvements to increase its background tolerance as well as improving its physics performance. The prospects of physics achievements at SuperKEKB and Belle II are also reported.

**Primary author:** Prof. SAKAI, Yoshihide (KEK)

**Presenter:** Prof. SAKAI, Yoshihide (KEK)