

The Belle II ARICH upgrade plans

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The Belle II experiment is planning an upgrade in early thirties to adapt the spectrometer for operation at an upgraded SuperKEKEB accelerator. In this context the ARICH detector, a proximity-focusing RICH with a two-layer (focusing) aerogel radiator will be upgraded. The main focus will be an upgrade of the photodetector with either SiPMs or MCP-PMTs and fast read-out electronics. A possible upgrade of the radiator is considered as well. In the proposed contribution, the elements of the upgrade will be presented together with the ongoing R&D program.

Requested length

20 minutes

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