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## New beam loss monitor system at the Australian Synchrotron

*Wednesday, 22 May 2024 16:00 (2 hours)*

A new beam loss monitor (BLM) system has been installed and commissioned at the Australian Synchrotron. The new system consists of 28 beam loss detector (BLD) units and 14 signal processing BLM units distributed around the storage ring. Each detector unit consists of a plastic scintillator coupled to a photomultiplier tube. The signal processing units are Libera BLMs from Instrumentation Technology. The new system can detect both integrated slow losses from the stored beam as well as turn-by-turn losses during injection. This paper will describe the calibration method, the commissioning results, and the implementation of the postmortem function.

### Footnotes

### Funding Agency

### Paper preparation format

LaTeX

### Region represented

Asia

**Primary author:** ZHANG, Xuanhao (Australian Synchrotron - ANSTO)

**Co-author:** TAN, Yaw-Ren (Australian Synchrotron - ANSTO)

**Presenter:** DOWD, Rohan (Australian Synchrotron - ANSTO)

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