

ALBA BLM studies and historical analysis

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During 5 years of operation in the 3 GeV storage ring of ALBA, the 124 beam loss monitors have provided measurements of relative losses around the machine, with around 10% of breakdown units. We analyzed these failures and correlate the integrated received dose with any special conditions of each BLM location which might have led to their breakdown.

We also show studies of beam losses in the insertion devices, with particular attention to the results in the MPW, where the vacuum chamber is (suspected to be) misaligned and high BLMs counts are detected.

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