

Single points of failure at the Canadian Light Source

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The Canadian Light Source (CLS) Synchrotron had first light in 2004. Our linac was built in the 1960's and was a part of the Saskatchewan Accelerator Laboratory (SAL), whereas the rest of accelerator was built under the CLS project, approved in 1999. Over the last 15 years we have made upgrades to various accelerator systems to operate reliably. Herein we will review the upgrades done to the linac, booster ring RF, and storage ring RF in addition to the upgrades we are planning in the near future. The electron source failure we had in 2018 and our experience in recovering from this failure will also be discussed.

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