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New CLS e-linac

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The Canadian Light Source has been running the 250 MeV electron linac from the 1960s for injecting into the booster synchrotron since 2002. As part of a renewal program, the CLS will be installing a new linac with an RF frequency synchronised to the booster ring. The project is expected to take 3 years to 2025 and lead to improved performance, especially for the recently achieved constant brightness top-up mode. An overview of the requirements and plans for the new linac will be provided.

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