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## Beam Dynamics Modelling of the SLS Linear Accelerator

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

The storage ring from the SLS is currently in the process of a significant upgrade to a new multi-bend achromat that aims to improve the performance of the machine by allowing it to deliver even brighter beams to the beamlines. The linear accelerator of the SLS is an ageing piece of infrastructure that needs to continue to run for the few decades to continue to feed SLS 2.0 reliably. In this work, we investigate potential upgrades to the linac with the aim of reducing the overall complexity of the system.

### Footnotes

### Funding Agency

### Paper preparation format

LaTeX

### Region represented

Europe

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