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Preliminary beta beating correction at the Canadian Light Source

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The Canadian Light Source, currently, does not correct beta beating. However, it has been known for some time that insertion device correlated vertical beam size changes can cause large reduction in flux at the VEPSERS beamline. In this work we discuss our preliminary explorations to control the vertical beam size, correct beta beating and reduce the flux variation for the VESPERS beamline. We also discuss the impact on the other beamlines.

Footnotes

Paper preparation format

LaTeX

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America

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Author: RATZLAFF, Melissa (Canadian Light Source Inc.)

Co-author: BARIBEAU, Cameron (Canadian Light Source Inc.)

Presenter: BARIBEAU, Cameron (Canadian Light Source Inc.)

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