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## Polarization performance of a 3 GeV electron booster

*Monday, 20 May 2024 16:00 (2 hours)*

We study the design and spin performance of a polarized electron Booster. This booster will accelerate polarized electrons from 200 MeV to 3 GeV. We examine the polarization transmission of the existing NSLS-II Booster design as well as a modified AGS-Booster lattice using an 8-fold symmetric design and increasing the betatron tune to 7.85 to avoid all intrinsic spin resonances.

### Footnotes

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North America

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