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## **Magnetic Characterization Proposal of a 6.6 T Superconducting Wavelength Shifter for a Hard X-Rays Synchrotron Beamline**

We present recent developments in characterization approaches for a superconducting wavelength shifter currently being developed for the Brazilian Sirius synchrotron light source. The insertion devices will exhibit 6.6 T peak field with a 7 mm cryogenic magnetic gap leading to a 5 mm vertical gap inside the electron beam chamber. A primary approach based on an anti-cryostat chamber currently being developed is presented along with further developments and considered approaches involving the use of scan coils and in-vacuum printed circuit boards.

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