



Contribution ID: 835 Contribution code: TUPG13

Type: **Poster Presentation**

Path to high current 500 mA at NSLS-II

Tuesday, 21 May 2024 16:00 (2 hours)

NSLS-II is a 3 GeV third generation synchrotron light source at BNL. The storage ring was commissioned in 2014 and began its routine operations in the December of the same year. Since then, we have progressed steadily upwards in beam current and reached 500 mA in five years while continue to install and commission new insertion devices. Along this path, we met various challenges. In this paper, we report our experience and the improvements to reach high current.

Footnotes

Funding Agency

Paper preparation format

Word

Region represented

North America

Primary author: WANG, Guimei (Brookhaven National Laboratory)

Co-authors: PADRAZO JR, Danny (Brookhaven National Laboratory); ROSE, James (Brookhaven National Laboratory); TODD, Robert (Brookhaven National Laboratory); SHAFTAN, Timur (Brookhaven National Laboratory); TANABE, Toshiya (Brookhaven National Laboratory); SMALUK, Victor (Brookhaven National Laboratory)

Presenter: WANG, Guimei (Brookhaven National Laboratory)

Session Classification: Tuesday Poster Session

Track Classification: MC2: Photon Sources and Electron Accelerators: MC2.A05 Synchrotron Radiation Facilities