



Contribution ID: 2031 Contribution code: THPR44

Type: **Poster Presentation**

Study of stripping magnets design for LACE at the SNS

Thursday, 23 May 2024 16:00 (2 hours)

We study possibility of laser assisted charge exchange injection at the SNS. The realistic injection of LACE injection and accumulation into the Ring of SNS is considered. The design of stripping magnets at the injection area is one of the most challenging problems toward operational scheme of LACE at the SNS. Basic requirements and needed parameters of stripping magnets are studied. Based on this study the possibility of real stripping magnet design is considered.

Footnotes

Funding Agency

This manuscript has been authored by UT-Battelle, LLC, under Contract No. DE-AC05-00OR22725 with the U.S. Department of Energy. The United States Government retains, and the publisher, by accepting th

Paper preparation format

LaTeX

Region represented

North America

Primary author: GORLOV, Timofey (Oak Ridge National Laboratory)

Co-authors: Dr OGUZ, Abdurahim (Oak Ridge National Laboratory); ALEKSANDROV, Alexander (Oak Ridge National Laboratory); LIN, Fanglei (Oak Ridge National Laboratory); EVANS, Nicholas (Oak Ridge National Laboratory); COUSINEAU, Sarah (Oak Ridge National Laboratory); LIU, Yun (Oak Ridge National Laboratory)

Presenter: GORLOV, Timofey (Oak Ridge National Laboratory)

Session Classification: Thursday Poster Session

Track Classification: MC4: Hadron Accelerators: MC4.T32 Ion Beam Stripping