

Collimations systems studies at LANSCE

Monday 26 August 2024 16:00 (2 hours)

At the Los Alamos Neutron Science Center (LANSCE), an upgrade of the Proton Storage Ring (PSR) is potentially possible under the LANSCE Modernization Project (LAMP). For the PSR, reducing or at least controlling the beam losses could maximize the beam current delivered to the users and extend the run cycle via shortening the maintenance period. One of the approaches would be to install collimation systems that are not present at LANSCE. We will present preliminary results to evaluate various possibilities of collimation systems along the high energy beam transport and/or inside the ring.

Footnotes

Funding Agency

Primary author: ALVINERIE, Clara-Marie (Los Alamos National Laboratory)

Co-authors: HUANG, En-Chuan (Los Alamos National Laboratory); Dr SOSA GUITRON, Salvador (Los Alamos National Laboratory); TAYLOR, Charles (Los Alamos National Laboratory); UPADHYAY, Janardan (Los Alamos National Laboratory)

Presenter: ALVINERIE, Clara-Marie (Los Alamos National Laboratory)

Session Classification: Monday Poster Session

Track Classification: MC1: Beam Dynamics, Extreme Beams, Sources and Beam-Related Technologies; MC1.1 Beam Dynamics, beam simulations, beam transport