Feasibility of crystal shadowing for SX at 8 GeV

Tuesday, 13 February 2024 14:20 (20 minutes)

Mu2e experiment, searching for a super rare mode of the CLFV decay of muon into an electron is in preparation for data taking at Fermilab’s Muon Campus facility. The experiment requires the 8 GeV proton beam continuous delivery aided by the Slow Extraction (SX) from the Delivery Ring. The first beam commissioning of the SX has been scheduled for FY2024. However, there was a possibility to start commissioning earlier, in FY2023. Here we will discuss our first experience and challenges with running SX in the Delivery Ring.

Primary author: NAGASLAEV, Vladimir (FNAL)
Presenter: NAGASLAEV, Vladimir (FNAL)
Session Classification: Managing Extraction Efficiency