Contribution ID: **1722** Contribution code: **WEPM033** Type: **Poster Presentation**

Beam dynamics simulation for TPS booster energy ramping from 100 MeV to 3GeV

Wednesday 4 June 2025 16:00 (2 hours)

The TPS booster, consisting of 8 FODO cells configured in a 6-fold symmetry with a circumference of 496.8 m, is designed to accelerate electron beams from 150 MeV to 3 GeV at a repetition rate of 3 Hz. This paper explores the rescue mode for energy ramping from 100 MeV to 3 GeV.

Footnotes

Paper preparation format

Word

Region represented

Asia

Funding Agency

Author: Mr CHIU, Mau-Sen (National Synchrotron Radiation Research Center)

Presenter: Mr CHIU, Mau-Sen (National Synchrotron Radiation Research Center)

Session Classification: Wednesday Poster Session

Track Classification: MC5: Beam Dynamics and EM Fields: MC5.D01 Beam Optics Lattices, Correction Schemes, Transport