

Predicting preventable (slow) trips at NSLS-II

Thursday, March 7, 2024 9:20 AM (20 minutes)

NSLS-II has been working with SLAC and Argonne on ML applications for improving accelerator reliability; specifically in predicting preventable (slow) trips & in using anomaly detection to identify most likely trip-causes to reduce recovery time. We are several years into the project, and already have positive results in the 'trip prevention' application.

Primary Keyword

anomaly detection

Secondary Keyword

Tertiary Keyword

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Session Classification: Anomaly Detection / Failure Prediction

Track Classification: Anomaly Detection / Failure Prediction