

Tomography Development at ATLAS

Sunday 25 August 2024 16:00 (2 hours)

Beam tomography is a method for reconstructing the higher-dimensional beam from its lower-dimensional projections. This provides an understanding of the beam's transverse phase space, enabling better modeling and predicting downstream beam loss. We will show methods of extrapolating confidence intervals of our reconstructed beam and explore a new beam tomography algorithms using Markov Chain Monte Carlo (MCMC).

\end{abstract}

Footnotes

Funding Agency

Author: TRAN, Anthony (Facility for Rare Isotope Beams, Michigan State University)

Co-authors: MUSTAPHA, Brahim (Argonne National Laboratory); HAO, Yue (Facility for Rare Isotope Beams)

Presenter: TRAN, Anthony (Facility for Rare Isotope Beams, Michigan State University)

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