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Tomography Development at ATLAS

Tuesday 27 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

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