

Measurements of Electron Cloud at Fermilab

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Electron cloud is a low-energy electron plasma that appears in particle accelerators and presents a challenge at virtually every large-scale particle accelerator complex. I will give a brief explanation of electron cloud how is formed and how it is distributed. Then I will discuss the measurements we've been making of the electron cloud at Fermilab, how we diagnosed a recent electron cloud instability, and how we intend to mitigate electron cloud in the future.

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