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NuMI Primary Beam Monitoring

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The Fermilab Main Injector has been delivering a 120 GeV proton beam to the MI neutrino experiments for some years. The beam intensity, position and size have been monitored using toroids, beam position monitors, and SEMs. The beam position has been controlled using the BPM system. The SEM closest to the target has been exposed to more than $1E21$ protons. Ti and C wire SEMs are being tested.

The performance of these devices, including the precision of beam position measurements comparing the SEM and BPM systems will be discussed.

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