Abstract Submitted
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Effects of Horn Ellipticity and Eccentricity on Neutrino Flux for DUNE ERIC AMADOR, JAEHOON YU, University of Texas At Arlington, PAUL LEBRUN, Fermi Lab, MONICA AVILA, NICHOLAS LIRA, University of Texas At Arlington, DEEP UNDERGROUND NEUTRINO EXPERIMENT COLLABORATION — We will simulate the effects of horn ellipticity, eccentricity and current equalizer on our horn focusing system for the Deep Underground Neutrino Experiment (DUNE). The muon neutrino and electron neutrino integrated fluxes will be measured at both Near and Far Detector, and will be compared to its anti-neutrino mode integrated fluxes.

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