

Abstract Submitted
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Charged Lepton Flavor Violation with SoLID YULIA FURLETOVA, Jefferson Lab, ALEXANDRE CAMSONNE, Jefferson Laboratory, SOLID COLLABORATION — A high intensity beam at JLAB in the Continuous Electron Beam Accelerator Facility (CEBAF) allows for a study of Charged Lepton Flavor Violation (CLFV) through a search for the process $eN \rightarrow \mu X$. Many Beyond the Standard Model scenarios, including Leptoquark exchange, allow for CLFV rates that are within reach of current or future planned experiment such as SoLID. It would allow to improve by up to two orders of magnitude over existing limits from searches at HERA and would complement the stringent limits obtained from other low energy experiments.

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