

Abstract Submitted
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Muon-Neutrino Charged-Current Semi-Inclusive Charged Pion Cross-Section Measurement Status in the NOvA Near Detector¹ PAUL ROJAS, Colorado State University, NOVA COLLABORATION — The NOvA experiment is a long-baseline neutrino experiment hosted by Fermilab. The intense NuMI neutrino beam, combined with NOvA's Near Detector, provides the opportunity to study neutrino interactions at an unprecedented level. The goal of this analysis is to measure the rate of muon-neutrino charged-current interactions in the NOvA near detector resulting in the production of one muon and at least one charged pion. This talk will present the status of the double differential cross-section measurement of this process in muon kinematics of energy and angle.

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