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Commissioning the Coordinate Detector for the Super Bigbite Spectrometer Program TAYLOR EDWARDS, Christopher Newport Univ — The Super BigBite Spectrometer (SBS) program in Hall A at Jefferson Lab (JLab) is a suite of experiments to measure the electric and magnetic structure functions of both the proton and neutron. This suite of experiments will extend the kinematic range of available nucleon structure function data to a much higher four momentum transfer than previously measured, utilizing the upgraded 12 GeV electron beam at JLab. The Coordinate Detector is a scintillator based, charged particle tracking detector and is currently being commissioned in preparation for use in the SBS experimental program. The commissioning process involves verifying all channels are functioning, determining a set threshold for each channel and determining the minimum high voltage setting of each photomultiplier tube to achieve a chosen detection efficiency. This work is supported in part by NSF grant PHY-1812369.

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