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The Coordinate Detector for SuperBigBite PETER MONAGHAN, Christopher Newport Univ, VITALY BATOURINE, Idaho State University, MARK JONES, Jefferson Lab, MAHBUB KHANDAKER, Idaho State University, LUBOMIR PENTCHEV, Jefferson Lab, ADAM SARTY, St. Mary's University, ALBERT SHAHINYAN, Yerevan Physics Institute, CONCETTA SUTERA, INFN, Catania, Italy, FRANCESCO TORTORICI, Universita di Catania, Italy, BOGDAN WOJTSEKHOWSKI, Jefferson Lab — The Coordinate Detector (CDet) is a 2352-channel two-layer scintillator hodoscope, being constructed for use with the Super-Bigbite Spectrometer (SBS) in the nucleon form factor experiments at the Thomas Jefferson National Accelerator Facility (JLab). Each layer of the detector consists of thin, scintillator paddles, each with a wavelength-shifting optical fiber through the middle, which is read out via a multi-anode photomultiplier tube. The CDet will provide charged particle coordinate resolution of 2 mm, which is important for elastic event identification at the projected very large luminosity of 10^{39} Hz/cm^2. An overview of the detector parameters and the current progress in construction, testing and commissioning is presented.

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