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**Quartz Hodoscope for the SuperHMS Spectrometer Trigger System at Hall-C Jefferson Lab** NOUF ALHARBI, ABDELLAH AHMIDOUCH, BASHAR ALJAWARNEH, SAMUEL DANAGOULIAN, North Carolina A&T State University — A quartz hodoscope of twenty one fused silica (quartz) bars has been constructed and delivered to Jefferson Lab to be part of the trigger system for the Super High Momentum Spectrometer (SHMS). The quartz bars are 125-cm long, 5.5-cm wide, and 2.5-cm thick and are viewed on each end by a UV-sensitive PMT. The SHMS spectrometer will play a central role in carrying out the 11-GeV physics program at Hall-C Jefferson Lab. The quartz hodoscope task is to provide a clean detection of charged particles, a high level of background suppression, and an accurate tracking efficiency determination. The hodoscope has been tested in situ with cosmic rays. We present final performance results of the hodoscope which include light yield, position resolution and efficiency, as well as plans for its commissioning.

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