

Abstract Submitted
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Performance and Operation of the Diamond Beam Monitor at the ATLAS Experiment ALEXANDER STAFFORD, Cal State Univ - Sacramento, ATLAS EXPERIMENT AT CERN COLLABORATION — The Diamond Beam Monitor (DBM) is a luminosity telescope implemented as a part of the ATLAS experiment at CERN whose purpose is to measure the total number of proton-proton interactions that take place in the collision region. The performance of the DBM was evaluated via data taken from the telescopes to investigate the correlation between the measured low voltage current and the number of hits per event on each telescope. In addition, the connectivity and communication from the power supplies and readout systems to the telescopes were verified.

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