

Abstract Submitted
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Self-triggered Search for GRB Emission at ~ 100 GeV with HAWC JOSHUA WOOD, University of Maryland, College Park, HAWC COLLABORATION — The High Altitude Water Cherenkov (HAWC) Observatory is a ground-based, TeV gamma-ray observatory currently under construction in the state of Puebla, Mexico at an altitude of 4100m. Its 22,000 m² instrumented area, wide field of view (~ 2 sr), and $>95\%$ uptime make it an ideal instrument for discovering GRB emission at ~ 100 GeV energies. Such a discovery would provide key information about the origins of prompt GRB emission as well as constraints on EBL models and Lorentz invariance. We will present prospects for discovering GRB emission at ~ 100 GeV energies using a simple, blind search algorithm on HAWC data.

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