

Abstract Submitted
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FPGA based trigger system for the HAWC experiment IAN WISHER, MICHAEL DUVERNOIS, University of Wisconsin - Madison, JAKOB DE MAEYER, DAAD - Summer Internship Program, HAWC COLLABORATION — A flexible and general-purpose trigger design, developed for the HAWC gamma ray observatory PMT signals, consists of a number of multiplicity triggers that allow it to recognize cosmic ray showers with different event angles and energies. The trigger system also includes a number of features that help to ensure: if errors occur they are recognized and reported. Although this trigger system was designed specifically for the HAWC gamma ray observatory PMT signals, its features can be easily transferred to other projects.

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