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Statistical Detection of TeV Blazars with the HAWC Real-Time Flare Monitor[1] STEFAN WESTERHOFF, MICHAEL SCOTT, THOMAS WEISGARBER, Univ of Wisconsin, Madison, HAWC COLLABORATION COLLABORATION — The HAWC observatory is a ground-based gamma-ray detector with sensitivity in the TeV energy band. We present a search for TeV blazars using triggers from the HAWC real-time flare monitor that fall below the standard threshold criterion for detection. This search enables us to detect blazars statistically via the different distribution of triggers that their low level of VHE emission produces. We interpret these results as a limit on the rate of extreme TeV blazar flares.

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