

Abstract Submitted
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Observations of Mrk 421 with VERITAS KERIANNA BUTLER,
University of Utah, VERITAS COLLABORATION — Markarian 421, a BL Lacertae
object, is a variable source and can flare to many times that of the Crab Nebula. This
source is observed by VERITAS, the Very Energetic Radiation Imaging Telescope
Array System, which consists of four imaging atmospheric Cherenkov telescopes
and is located in southern Arizona. During the 2007/2008 observing season we
observed the source for over 30 hours and report the statistical significance to be 235
standard deviations. We compare our results to other years of data and summarize
the mechanisms which are thought to cause the gamma ray emission.

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