

Abstract Submitted  
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**Status of the VERITAS gamma-ray telescope upgrade** DAVID KIEDA, University of Utah, VERITAS COLLABORATION — The VERITAS gamma-ray observatory (Amado, AZ, [veritas.sao.arizona.edu](http://veritas.sao.arizona.edu)) is currently the world most sensitive VHE gamma-ray observatory. Key science results from the first three years of observation include the detection of VHE emission from new classes of AGN, SNR, HMXB as well as stringent upper limit on the emission of VHE gamma-rays from dark matter annihilation in Dwarf galaxies. In April 2010, VERITAS received funding to upgrade the photomultiplier tube cameras, pattern triggers, and networking systems in order to improve sensitivity and improve detector livetime. In this talk, I will describe the status of the VERITAS upgrade, and the expected improvements in sensitivity when it is completed in summer 2012.

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