

# PHYSICS DEPARTMENT COLLOQUIUM

“VHE Gamma-Rays: the New New Astronomy”

BY

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The field of VHE gamma ray astronomy has blossomed over the past several years due to development of significantly more sensitive TeV observatories such as VERITAS and HESS. In this talk, I will describe the field of VHE gamma-ray astronomy, and present new source detections from this observatory. Initial VERITAS observations have yielded detection of new VHE gamma ray phenomena, including the detection a distant Quasar (1ES 1218), and the detection of the first every high energy gamma-ray `clock' (LSI 63+303), a galactic `microQuasar'. I will also describe the development of a science synergy between the VERITAS gamma-ray observatory and the new Southern Utah Observatory, recently funded by the Willard L. Eccles Foundation.

THURSDAY, March 8, 2007  
4:00 PM IN 102 JFB  
REFRESHMENTS AT 3:30 PM IN 219 JFB