

Abstract Submitted
for the APR08 Meeting of
The American Physical Society

Multiwavelength Observations of the Blazar 1ES 2344+514

MATTHIAS BEILICKE, Washington University in St.Louis, VERITAS COLLABORATION — In 2007 and 2008, the Rossi X-ray Timing Explorer (RXTE) X-ray telescope and the Very Energetic Radiation Imaging Telescope Array System (VERITAS) gamma-ray telescope have been used to observe the blazar 1ES 2344+514. The observations captured several strong X-ray and TeV gamma-ray flares. In this contribution, we discuss the X-ray and TeV gamma-ray light curves and energy spectra. We discuss a detailed study of the correlations between the X-ray fluxes, X-ray spectral indices, TeV gamma-ray fluxes, and TeV gamma-ray spectral indices. Furthermore, we discuss implications of the data on the origin of the high-energy emission and the environment of the supermassive black hole that powers the blazar.

Matthias Beilicke
Washington University in St.Louis

Date submitted: 11 Jan 2008

Electronic form version 1.4