

A STUDY OF SS-433 AT TEV ENERGIES WITH THE HEGRA CT-SYSTEM

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We present updated results of a large exposure on the galactic micro-quasar/supernova remnant combination SS-433/W50, following earlier analysis of a smaller dataset in which upper limits were set. The HEGRA CT-System was used to search for gamma-rays of TeV energy from various locations around the SS-433/W50 field, employing the stereoscopic atmospheric Čerenkov technique. The jets of SS-433 make it potentially one of the most powerful accelerators of cosmic rays in our galaxy ($KE_{jet} \geq 10^{39}$ erg s^{-1}). A particularly interesting site is a possible termination shock region $\sim 1.0^\circ$ east of SS-433, where cosmic ray acceleration may be taking place. We compare our results to a model predicting TeV emission from this region.