

## SELECTION OF TEV $\gamma$ -RAYS USING THE KERNEL MULTIVARIATE TECHNIQUE

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The kernel multivariate analysis technique is optimised to select  $\gamma$ -ray events from ON/OFF observations of the Crab Nebula recorded by the Whipple 10 m Imaging Atmospheric Čerenkov Telescope in January and February 2000. Results are compared with the conventional Supercuts analysis. A method to estimate the energy of  $\gamma$ -ray primaries is examined, and a TeV spectrum of the Crab Nebula extracted on this basis. The technique is then applied to ON/OFF data taken on Markarian 421 during spring of 2000.