

SEARCH FOR GAMMA-RAY ABOVE 10 TEV FROM MARKARIAN 421 IN HIGH STATE WITH CANGAROO-II TELESCOPE

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A preliminary result from Markarian 421 observations in energy region above 10 TeV with the CANGAROO-II 10 m telescope is presented. In January 2001, the Hegera group reported that Markarian 421 had become very active, with flux levels up to 4 times that of the Crab Nebula. As a result, we observed Mkn 421 during six nights from January 24th to February 1st, and four nights from March 1st to 4th. Observations were carried out using the very large zenith angle technique (~ 70 degree) and the energy threshold is estimated from Monte Carlo simulations to be around 10 TeV.