## OBSERVATION OF THE CRAB NEBULA WITH THE HEGRA SYSTEM OF IACTS USING AN ADVANCED TOPOLOGICAL TRIGGER MODE

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The HEGRA system of imaging atmospheric Cherenkov telescopes (IACTs) has an energy threshold of about 500 GeV. We have made observations of the Crab Nebula for a total of about 8 hrs using the topological system trigger which allows to reduce the trigger threshold. The expected detection rates of cosmic rays and  $\gamma$ -rays as well as the energy threshold were calculated using the Monte Carlo simulations. The results of the analysis will be presented.