

Detection of pulsed gamma rays above 25 GeV from the Crab Pulsar with the MAGIC Telescope

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We present the detection of the Crab Pulsar above 25 GeV by the 17m diameter MAGIC telescope. We observed the Crab Pulsar between October 2007 and February 2008 using a newly developed trigger system, which allowed us to lower the energy threshold of the telescope from 55 GeV to 25 GeV. From previous non-detections of the Crab pulsar above 55 GeV and from the observations by the EGRET experiment below 10 GeV it is known that the Crab pulsar shows a spectral turnover in the energy region between 10 GeV and 55 GeV. We will present the energy of this turnover as well as a comparison of the light curve measured by our experiment with the one measured by EGRET.

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