

CTA, next generation ground-based gamma-ray observatory

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Gamma-ray astronomy is a newly emerging and very successful branch of astronomy and astrophysics. Exciting results have been obtained by the current generation Cherenkov telescope systems such as H.E.S.S., MAGIC, VERITAS and CANGAROO. The development of the very large Cherenkov telescope array system (CTA) with a sensitivity and an angular resolution about an order of magnitude better than current instruments is under intense discussion. This observatory will reveal an order of magnitude more sources, AGNs, SNRs, Pulsar Wind Nebulars and Binaries. Due to its higher sensitivity and angular resolution it may be able to detect new classes of objects and phenomena that have not been visible until now.

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