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The Cherenkov Telescope Array (CTA) Project

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The Cherenkov Telescope Array (CTA) will be the world's next generation high energy gamma ray observatory, aiming to provide an order of magnitude improvement in sensitivity over present instruments, together with a broader energy coverage (below 50 GeV to over 100 TeV) as well as significantly improved resolution (0.2 deg). To achieve these goals will require two distributed arrays, one in the Southern hemisphere and one in the North, of multiple sizes of air Cherenkov telescopes. The project is recently funded by EU for a Preparatory Phase that should lead to the construction of CTA. Ongoing work packages include mechanics and optics, the focal plane instrumentation, the observatory management and the data center. In this talk, I will describe the CTA project and its present status.

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