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Overview of Cherenkov Telescope Array (CTA)

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CTA is a global initiative to build the world's largest and most sensitive very high-energy gamma-ray observatory. To this end a consortium of participating institutions, bringing together scientists from 32 countries, has been set up. The Cherenkov Telescope Array will provide unprecedented opportunities for observing the energetic universe in the "Tera electron Volt window," which will extend from 20 GeV to 300 TeV for the CTA. The CTA project and its capabilities will be described with an emphasis on the expected scientific returns of the project. An overview of the known classes of TeV sources will be given as well.

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