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The Future Project for Gamma Ray Astronomy

Abstract: The successful operation of the latest Cherenkov Telescopes (mainly the H.E.S.S. array in Namibia and MAGIC on the Canary Islands) is drastically improving our knowledge about the sky at Gamma-ray Energies >50 GeV. Both installations are presently upgraded to improve their sensitivity and energy range.

But it is already clear that many important observations will need an even higher detector sensitivity and a more extended energy coverage.

Because of the high costs, a pan-european (or worldwide) effort to construct such a large array of cherenkov telescopes is needed.

In February 2006, the H.E.S.S. and MAGIC Collaborations have started combined working groups to design a next generation observatory. In the mean time, many people from other groups showed interest in the project and already contributed to the ongoing discussions.

In this poster we present a brief overview of the project and some physics objectives. We will also identify some components for which specialized experience at swiss institutes can make a major contribution to the project.