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GAMMA-400 gamma-ray observatory

Tuesday 4 August 2015 12:00 (15 minutes)

The GAMMA-400 is designed
to measure fluxes of gamma rays and the electron–positron cosmic-ray component possibly associated with annihilation or decay of dark matter particles; and to search for and study in detail Galactic Center, discrete and extended gamma-ray sources, to measure the energy spectra of Galactic and extragalactic diffuse gamma rays, and to study gamma-ray bursts and gamma rays from
the active Sun. The energy range for measuring gamma rays and electrons (positrons) is from about 100 MeV to several TeV.
For 100 GeV gamma rays, the gamma-ray telescope has an angular resolution of ˜0.01°, an energy resolution of ˜1%,
and a proton rejection factor of ˜5x10E5. The GAMMA-400 will be installed onboard the Russian Space Observatory.

Collaboration

– not specified –

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