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[303] Very-high-energy emission from gamma-ray bursts detected by MAGIC

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Gamma-ray bursts (GRBs) are one of the most energetic explosions in the universe. GRBs still have various unknown aspects such as gamma-ray emission processes and jet launching mechanisms.

Gamma-ray observations on GRBs have been performed mainly by satellite telescopes, however photon spectra in the very-high-energy (VHE) range above 100 GeV have large uncertainties due to the low statistics.

Since 2018, 4 GRBs have been detected above 100 GeV thanks to the improvement of the ground-based telescopes such as MAGIC and H.E.S.S.

In this presentation I report the analysis results of VHE data and possible interpretations of GRB 190114C and GRB 201216C detected by MAGIC.

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