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Constraints on Quantum Gravity effects from a fast AGN flare

In 2005, the MAGIC telescope observed an unprecedented rapid flare from the AGN Mrk 501. A fast and strong variability was found in several adjacent energy bands above 100 GeV and was used to search for correlated flux variations at different energies.

The resulting constraints on different possible Quantum Gravity effects have been investigated and will be presented.

collaboration :

MAGIC

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