V356a Resolving the extragalactic background light with the MAGIC telescopes

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MAGIC is a stereoscopic system of two Imaging Atmospheric Cherenkov Telescopes operating in the very high energy (VHE) range from about 50 GeV to over 50 TeV. The VHE gamma-ray spectra measured at Earth carry imprint of the extragalactic background light (EBL) and can be used to study the EBL density and its evolution in time. In the last few years precision measurements of several blazars in the redshift range from z=0.03 up to z=0.95 were performed with MAGIC trying to resolve the EBL. In this talk I will present the results of the studies and discuss the implications and perspectives for future observations.