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The Gamma-ray opacity of the Universe: New Results and Future Outlook MARCO AJELLO, CLEMSON UNIVERSITY, FERMI-LAT COLLABORATION — The extragalactic background light comprises the emission from all stars and accreting compact objects in the observable Universe. Gamma-ray telescopes have the capabilities of probing the density of the EBL via the detection of the attenuation that the EBL leaves in the spectra of cosmic gamma-ray sources. Here we will report on past and future measurements of the EBL using Fermi and on the potential synergy between Fermi, HAWC and VERITAS and how that can be harvested to produce a coherent picture of the EBL and of its evolution with cosmic time.

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