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## The origin of the Extra-Galactic Gamma-ray Background through its anisotropy and cross-correlations

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I will describe the current status of the measurement of the Extra-Galactic Gamma-ray Background (EGB) anisotropy (its angular power spectrum) and correlations with galaxy catalogues (cross-correlation functions) derived using data from the Fermi-LAT gamma-ray observatory. I will then discuss the implications for the origin of the EGB, in particular in relation to the presence of a possible Dark Matter contribution.

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**Session Classification:** Dark Matter: Indirect Detection

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