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Planck-scale effects on propagation of high-energy particles

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One of the subjects that has been most studied over the last decade from a quantum-gravity perspective concerns the implications of Planck-scale effects on the propagation of high-energy particles.

From the crude models of the end of the 1990s the literature gradually evolved to more detailed and robust pictures, which I briefly describe. I also stress the relevance of these studies for observatories of high-energy neutrinos and photons

Auteur principal: Prof. AMELINO-CAMELIA, Giovanni (University of Rome "La Sapienza")

Orateur: Prof. AMELINO-CAMELIA, Giovanni (University of Rome "La Sapienza")

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