



ID de la contribución : 291

Tipo : **Oral parallel contribution**

Does a deformation of special relativity imply energy dependent photon time delays?

lunes, 17 de julio de 2017 17:45 (30)

We analyze the observability of an energy dependence, due to departures from special relativity, in delays of arrival times of particles produced by very distant sources. We find different conclusions depending on the model used for the source and the model used for the departures from special relativity both in the case of Lorentz invariance violations and in the case of a modification compatible with the relativity principle.

Primary author(s) : Sr. RELANCIO, Javier (Universidad de Zaragoza); Prof. CARMONA, Jose Manuel (Universidad de Zaragoza); Prof. CORTES, jose (universidad de zaragoza)

Presenter(s) : Sr. RELANCIO, Javier (Universidad de Zaragoza)

Clasificación de la sesión : Particle and Theoretical Physics I

Clasificación de temáticas : Particle and Theoretical Physics