

New results on the anomalous transparency of the Universe for very-high-energy gamma rays

Thursday 21 June 2018 16:50 (5 minutes)

Unphysical distance dependence in convex features of deabsorbed blazar spectra (upward breaks), reported in 2014, suggested incorrect model of absorption of $E > 100$ GeV gamma rays due to e^+e^- pair production on the extragalactic background light (EBL). We present results of the new study aimed to review previous findings, making use of an updated clean source sample, new gamma-ray data and most recent absorption models.

Primary author: Prof. TROITSKY, Sergey (INR, Moscow)

Co-authors: KOROCHKIN, Alexandr (INR RAS); Prof. RUBTSOV, Grigory (INR RAS)

Presenter: KOROCHKIN, Alexandr (INR RAS)

Session Classification: Plenary short presentations