

Abstract Submitted
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Theoretical interpretation of GRB01121 LETIZIA CAITO, MARIA GRAZIA BERNARDINI, CARLO LUCIANO BIANCO, MARIA GIOVANNA DAINOTTI, ROBERTO GUIDA, REMO RUFFINI, ICRANet and Dipartimento di Fisica - Università di Roma “La Sapienza” — The most recent developments in Gamma-Ray Burst’s (GRB) observations have imposed as a characteristic of strong interest the presence of some flares in the afterglow of many GRB sources. The explanation of these bumps in the light curves is a very important issue to resolve for the understanding of the GRB phenomenon. In this work, GRB01121 is analyzed as a prototipe to understand the flares recently observed by Swift. Detailed theoretical computations of the GRB01121 light curves in selected energy bands are presented and compared with observational BeppoSAX data.

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