

Study of Hardness-Intensity Correlations in GRBs

B. M. Belli

Instituto di Astrofisica Spaziale CNR, Roma, Italy

Abstract. A new analysis of the intensity-spectral hardness correlation in GRBs has been performed for BATSE events. I used for the analysis the BATSE catalog events together with other BATSE events found by software triggers with longer accumulation time. The correlation appears confirmed for the softer part of the energy spectrum whereas there are

suggestions that this correlation becomes an anticorrelation when the hardness of the high energy part of the energy spectrum becomes larger than a given value. I try to investigate the physical implications of these behaviours.