

Observed properties of high redshift GRBs

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Since GRBs are observed also at high redshifts, we hope that they might allow us to connect them with the characteristics of the first stars.

The poster shows my last unsuccessful attempt at finding any special properties in high redshift GRBs, at least $z=6$. In spite of the very good work done by present day GRB experiments, this lack of distinctive features is possibly due to some interconnected facts: lack of good statistics, of deep enough observations, both for GRBs and for the related Ots and observational constraints which bring us to detect only events similar to each other.

What can be done with existing instruments?

- “Widening” trigger criteria, extra long bursts have already been found
- Improving optical follow-up, even if already very good
- Mining existing data, probably not helpful with optical search

