Sixteenth Marcel Grossmann Meeting



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A possible link between normal long GRBs and a short GRB 200826A

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We propose a possible model of explaining recently discovered short GRB 200826A, unifying this event and normal long GRBs from collapsars. The turbulent nature of relativistic jets is responsible for inhomogeneity, resulting in a lot of patchy emission regions in the jet. If such an emission patch is viewed, a short single pulse is observed, while the usual long GRBs are observed when several/many of them are along the line of sight.

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Session Classification: Unusual and New Types of Gamma-Ray Bursts

Track Classification: Fast Transients: Unusual and New Types of Gamma-ray Bursts