

Highly Luminous SNe Associated with GRBs

POSTER ON-LINE

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Abstract. The broad-lined Type Ic Supernovæ (SNe) associated with Gamma-Ray Bursts (GRBs) were long considered the most luminous class as a whole among core-collapse SNe, until the discovery of Superluminous SNe (SLSNe) during the last decade. There are many differences between the two classes, but in recent years events have been discovered which form a link between them. Associated with GRBs but more luminous and hotter, and in one case clearly dissimilar spectrally from any other known GRB-SNe, these sources point the way towards common mechanisms underlying GRBs and SLSNe.

Keywords. Stars: supernovæ, gamma rays: bursts

For the full poster, see <http://dx.doi.org/10.1017/S1743921318002843>