

COMPTEL upper limits for the 847 keV and 1238 keV γ -rays of ^{56}Co from SN1998bu

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The type Ia supernova 1998bu in M96 was observed by COMPTEL for a total of 88 days starting 26 days after the detection of the SN. A special mode improving the low-energy sensitivity, especially in the 847 keV line of ^{56}Co was used. Spectral analysis is plagued by systematic uncertainties, especially around 1 MeV arising from the different background modeling techniques and event selection criteria to suppress a large part of the overwhelming background. We obtained images in the 847 keV and 1238 keV lines of ^{56}Co , using an improved point spread function for the low-energy model. We do not detect SN1998bu. Low upper limits at both energies significantly constrain the standard supernova model for this event. Analysis, results and interpretation will be presented.