

Nucleosynthesis Ejecta Gamma-Rays from SN2014J

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SN2014J is the closest SN Ia since decades, allowing for observations at many wavelength bands including gamma-rays. The INTEGRAL observatory made this SN Ia a priority target for several months. The nuclear lines and continuum from the ⁵⁶Ni decay chain are being studied. Early gamma-rays have been detected, and indicate that interesting variants of SN Ia explosion models might have to be considered, although the supernova appears rather normal in standard spectra and light curves.

[1] *E. Kuulkers et al., Astronomers Telegram No. 559, A99 (2014).*