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Gamma-ray observations from solar flares

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Gamma-rays are produced from nuclear reactions of accelerated particles in solar flares. The gamma-ray time profile and energy spectrum provide clues on particle acceleration mechanism. High energy particles were observed from large solar events with strong CMEs (coronal mass ejection). We discuss the differences in particle acceleration processes between solar flares and CME events based on the observed results of gamma-rays and particles from the 1997 November 6 events.

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