

Spectroscopic analysis of the solar flare events with the use of RHESSI and RESIK data.

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We use simultaneous observations from RESIK and RHESSI instruments to make spectral analysis of solar flaring events. We selected for the analysis flares with good coverage in RESIK data and well resolved soft and hard X-ray sources seen in RHESSI images. Spectra of X-ray radiation for each particular source from RHESSI frames are studied and compared in different flare phases. We determine basic physical parameters of flaring plasma using RHESSI and, in softer X-ray energy range, RESIK fluxes. Obtained parameters, such as temperatures, emission measures and spectral characteristics, are next applied for studies of event energetics.