

Diagnosis of coronal magnetic field and nonthermal electrons with RHESSI and Nobeyama data

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Coronal magnetic field and nonthermal electrons are very important parameters for understanding of the global heliophysical processes. A flare on November 1, 2004 observed by RHESSI satellite, Nobeyama Observatory, and the H-alpha telescope of Purple Mountain Observatory is selected for self-consistent calculations of coronal magnetic field parallel and perpendicular to the line-of-sight, the density and low-cutoff energy of nonthermal electrons with RHESSI and Nobeyama data. Both of the diagnosis methods and results are discussed in this paper.