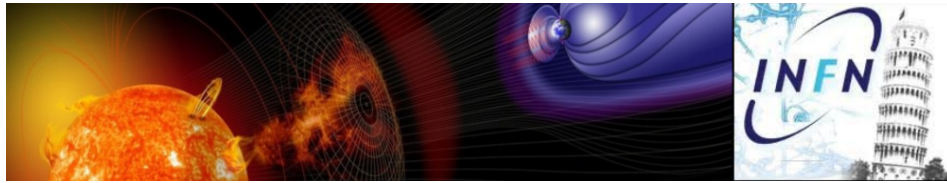


RHESSI-20 Workshop: Preparing for the Next Decade in High-Energy Solar Physics Research



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Gamma-ray Line Studies in Solar Flares

Thursday, 8 July 2021 17:20 (20 minutes)

We have updated the nuclear templates used in our fits to gamma-ray spectra and have corrected a systematic that we found in SMM/GRS data. We have now fit spectra from 19 SMM flare and 1 RHESSI flare clearly separating nuclear lines and continua from electron continua. We discuss these fits and information derived on the ambient composition of the solar atmosphere where the flare-accelerated particles interact and abundances and spectra of these particles.

Email

gershare@aol.com

Primary authors: SHARE, GERALD (University of Maryland); Dr MURPHY, Ronald (Space Science Division, Naval Research Laboratory, Washington DC 20375, USA)

Presenter: SHARE, GERALD (University of Maryland)

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