

**A SATELLITE EXPERIMENT TO MEASURE THE INTENSITY
AND THE ENERGY SPECTRUM OF GAMMA RAYS FROM
SOLAR FLARES IN THE RANGE 50–500 MeV**

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A high energy solar gamma-ray telescope incorporating a lenticular Čerenkov for directional measurement and an energy calorimeter is described. The instrument is included in the payload of the TD-1 ESRO spacecraft to be launched into a sun-pointing orbit during spring 1972. The results of laboratory and accelerator tests are presented and the sensitivity and measurement capability to solar flare gamma rays is discussed.

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