Presently achieved continuum sensitivities

Fig. 1
Compton Coincidence Set-Up of Hofstadter & McIntyre (1950)
Compton Telescope of Peterson & Howard (1961)
First MPE Compton Telescope of Schönfelder et al, 1973
Gamma Ray absorbed; light emitted.

Gamma Ray scattered; light emitted.

Photomontage and schematic view of COMPTEL
Dependence on the total COMPTEL background rate on the vertical cut-off rigidity
The correlation between the Gamma-1 event rate (GAM1CNT) and the V2 veto rate
COMPTEL background spectrum measured at different times of the GRO mission:
lowest spectrum: May 1991 to Nov 1993, intermediate spectra taken between November 1993 (time of first re-boost) and May 1997, highest spectrum: after second re-boost of the observatory to 517 km altitude in May 1997
Production of $\gamma$-ray-type events inside and around COMPTEL
The ToF (see Sec. 3.7) distributions over the full coincidence window in four energy ranges