

Optical studies of potential counterparts for unidentified EGRET sources

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We present optical observations of candidate X-ray counterparts for the EGRET sources 3EG J0010+7309, 3EG J2020+4017 and 3EG J1835+5918 previously found in ROSAT images. For the first two EGRET sources, we present new optical observations of the ROSAT error box of the respective X-ray counterpart candidate. In particular, in the case of the γ -Cygni source we put bounds on the possible binary nature of the K0 star positionally coincident with the X-ray source and identified a new fainter object in the same error box. In the case of the CTA-1 source (3EG J0010+7309), we performed deep optical imaging. Finally, a detailed analysis of optical observations of several X-ray sources within the EGRET error box of 3EG J1835+5918 will be presented.