

Поиск DM — сгустки в субгало

Материалы поиска

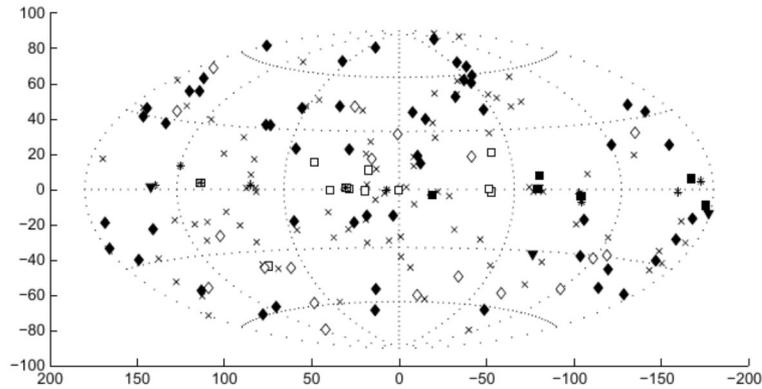
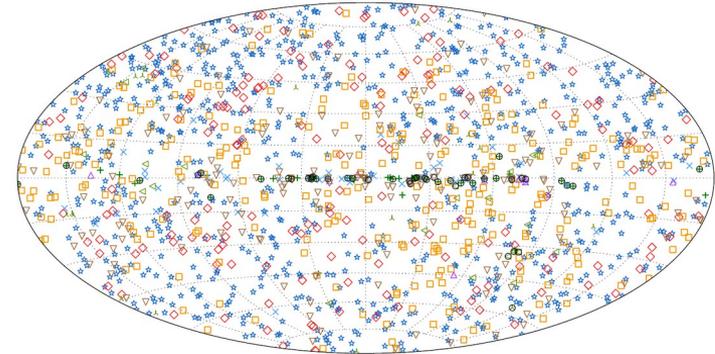


Fig. 13. The revised EGRET source catalog, shown in Galactic coordinates. The symbols indicate the counterpart types found in the error box: identified pulsars as black squares; other ATNF pulsars as open squares; LSI +61 303, LMC, and solar flare as black triangles; ASDC and CGRaBS blazar candidates as black diamonds; other flat-spectrum radio-sources from CRATES as open diamonds; supernova remnants from the Green catalogue as stars; no counterpart as crosses.



+	SNRs and PWNe	*	BL Lacs	□	Unc. Blazars	△	Other GAL	▽	Unassociated
×	Pulsars	◇	FSRQs	▲	Other EGAL	◀	Unknown	○	Extended

Способ проверки

- Основа — движение не совместное с галактическим ДИСКОМ.

$$E(\vec{V}) = \left(\frac{1}{r + \sqrt{a}} \right)^2 + \exp\left(\frac{-V^2}{a^2} \right)$$
$$\vec{V} = (V_\phi, V_z)$$

$$E(\vec{r}) = \left(\frac{1}{r + \ell + \sqrt{a}} \right)^2 + \exp\left(\frac{-V^2}{a^2} \right)$$
$$\vec{r} = \vec{V} + \ell$$

$$r \in [L_{\min}, L_{\max}]$$

$$\forall R \in (L_{\min}; L_{\max})$$

$$E(L_{\max} - R) = 1 - \alpha * R$$

$$\alpha = \frac{1}{L_{\min}}$$

Спасибо за внимание