

# Supergiant Fast X-ray Transients as best candidate counterparts of galactic unidentified gamma-ray transients

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In the last few years Fermi and AGILE observations have indicated the existence of a possible population of gamma-ray transients located on the galactic plane and characterized by fast flares lasting only a very few days. Notably, no blazar-like counterparts are known within their error boxes so they could represent a completely new class of galactic fast gamma-ray transients. The task of identifying their counterparts at lower energies remains very challenging. Despite this difficulty, recent INTEGRAL results have provided intriguing hints that reliable best candidate counterparts could be found among the members of the recently newly discovered class of Supergiant Fast X-ray Transients (SFXTs).

In this context, I will present INTEGRAL results on the candidate SFXT IGRJ17354-3255. Such results strongly suggest that IGR J17354-3255 is the best candidate counterpart of the spatially associated unidentified gamma-ray transient AGL J1734-3310. I will discuss the possible physical link between the two sources and implications stemming from this association.

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