

The INTEGRAL view of Fermi sky

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We present preliminary results on likely associations between the latest Fermi catalogue (4FGL DR3) and all INTEGRAL surveys.

The cross correlation analysis (up to a distance of 3 arcmin) finds ~90 associations of which 5 ± 2 could be by chance and thus false.

Some interesting findings emerge from the analysis:

- 1) on the Galactic Plane we find ~20 associations where the emission is likely due to binary systems;
- 2) out of 23 ultra compact objects detected by INTEGRAL we find that ~40% of these are associated with Fermi detections classified as Globular Clusters;
- 3) furthermore, we find 5 associations with PSR/PWN and 4 with SNR;
- 4) in the extragalactic sky, we find ~15 associations with Seyfert/radio galaxies, including M82 and a small set of misaligned radio galaxies; we find 51 INTEGRAL blazars also detected by Fermi;
- 5) we also find an interesting case of an unidentified INTEGRAL/Fermi association which will be briefly discussed.

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