

# Galaxies in FR0CAT observed with SWIFT and XMM telescopes.

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Because of no results crossing FR0CAT ( <https://arxiv.org/abs/1709.00015>) FL8Y List , FR0CAT has been checked against SWIFT and XMM catalogs in order to have a sample where to apply statistic methods as Stacking analysis to detect new candidates and consequently to compare gamma-ray, X-ray and radio properties with other sources.

In FR0CAT 12 sources have been detected by SWIFT and 14 by XMM. Only 3 sources are in both the selection : SDSSJ104028.337+091057.1 / SDSSJ152151.85 / SDSSJ155951.61+255626.3 , then a master sample of 23 objects with a X-rays detection is available.

Also E.Torresi et al. ( <https://arxiv.org/abs/1802.08581> ) studied FR0 radio galaxies in X-rays energy range. The sample of that study enclosed 6 objects from SWIFT data, 4 from XMM data and 7 from Chandra data.

The comparison between Torresi sample and our master sample is necessary for the homogeneity of sample construction and the consequent data compatibility.



FR0CAT\_XMM.fits



FR0CAT\_Swift.fits