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Title	VizieR Online Data Catalog: Evolution of galaxy clusters metal abundance (Ettori+, 2015)
Authors	ETTORI, STEFANO, Baldi, A., Balestra, I., GASTALDELLO, FABIO, MOLENDI, SILVANO, TOZZI, Paolo
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Journal	VizieR Online Data Catalog

The evolution of the spatially-resolved metal abundance in galaxy clusters up to $z=1.4$. (2015)
[Go to the original article \(10.1051/0004-6361/201425470\)](https://arxiv.org/abs/10.1051/0004-6361/201425470)

Keywords : galaxies: clusters: intracluster medium - X-rays: galaxies: clusters

Abstract: We present the combined analysis of the metal content of 83 objects in the redshift range 0.09-1.39, and spatially-resolved in the 3 bins (0-0.15, 0.15-0.4, >0.4) R_{500} , as obtained with similar analysis using XMM-Newton data in Leccardi & Molendi ([2008A&A...487..461L 2008A&A...487..461L](#)) and Baldi et al. ([2012A&A...537A.142B 2012A&A...537A.142B](#)). By combining these two large datasets, we investigate the relations between abundance, temperature, radial position and redshift holding in the Intra-Cluster Medium. We fit functional forms to the combination of the different physical quantities of interest, i.e. ICM metal abundance, radius, and redshift. We use the pseudo-entropy ratio to separate the Cool-Core (CC) cluster population, where the central gas density tends to be relatively higher, cooler and more metal rich, from the Non-Cool-Core systems. (hide)

The full dataset is available at
<http://pico.bo.astro.it/settori/abun/xmm.dat> and will be updated.

Stefano Ettori, [stefano.ettori\(at\)oabo.inaf.it](mailto:stefano.ettori@oabo.inaf.it)

- <http://pico.bo.astro.it/settori/abun/xmm.dat> : Updated full dataset

Archives are available through FTP in standardized format described in the ReadMe.
VizieR tables are built from archives with additional transformations.

J/A+A/578/A46 Galaxy clusters abundance evolution (Ettori+, 2015)
The following files can be converted to FITS (extension .fit or fit.gz)
xmm.dat

Query from: <http://vizier.u-strasbg.fr/viz-bin/VizieR?-source=J/A+A/578/A46>

Go to [ftp](#) - [web page](#) - Download all tables in [tar.gz](#)

ReadMe	05-Oct-2015 18:04	-r--r-- r--	4.0 K	
xmm.dat	29-Apr-2015 12:54	-r--r-- r--	17K	- text - txt.gz - fits - fits.gz - html