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)

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

- 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

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|---|---|---|---|---|
| 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 |