

Curriculum Vitae of Silvano Molendi

Place and date of birth- Verona, 30 Ottobre 1961

Current position- Primo Ricercatore at IASF-Milano/INAF, Via Bassini 15, 20133 Milano.

Scientific interests- High energy astrophysics, AGN, Galaxy Clusters, Surveys and X-ray background Design and calibration of X-ray missions. My activity is divided between the analysis and interpretation of X-ray observations on one side and the design and calibration of X-ray experiments on the other.

Best 5 papers- Amongst my most quoted papers are: the BeppoSAX papers on cluster temperature (De Grandi & Molendi 2002) and metal abundance profiles (De Grandi & Molendi 2001), 144 and 149 citations respectively; an early XMM-Newton paper (Molendi & Pizzolato 2001), 104 citations, where we found that the gas in so called cooling-flow systems showed very little evidence of being multi-phase; the reference paper on the XMM-Newton measurement of the Cosmic X-Ray Background (De Luca & Molendi 2004), 110 citations; a recent paper (Leccardi & Molendi 2008) where we studied cluster temperature profiles with XMM-Newton, providing for the first time a detailed analysis of systematics including a suite of simulation designed to determine the effect of incorrect estimates of the different background components on the temperature measurements, 24 citations.

Publications- SM is the author of more than 100 publications on refereed journals, his H-index is 42.

Reviewing- Acted as referee for all major astrophysical journals. Acted as panel member and panel chair for the XMM-Newton time allocation committee.

Tutoring- Tutor of graduate and undergraduate students.

Teaching- Lecturer of graduate courses at Milano Bicocca and Como Insubria universities.

Presentations- Numerous presentations at conferences including invited talks and invited review talks.

Honors- In 2002 he was awarded the “Le Scienze” prize for astrophysics.