A PORTable Multi-Purpose Application for the X-ray Background and AGN counts

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We present the β-version of a web-based interface to the AGN population synthesis model of the cosmic X-ray background (XRB) presented in Gilli, Comastri & Hasinger (2007, A&A, 463, 79). This tool can be used to compute the contribution to the XRB spectrum and the logN-logS in different X-ray bands of model AGN in any redshift, luminosity or N\(_H\) bin.

FAQs:

* What is the contribution of type 2 QSOs to the cosmic X-ray background?
* How many Compton-thick AGN are expected in high energy (E>10 keV) surveys?
* What is the logN-logS of high-redshift AGN?
* What are the predictions for a XEUS or a Simbol-X deep field?

A user friendly form can be filled with the desired settings, like energy band, flux, redshift, luminosity and absorption range. Two options for the evolution of high-z AGN can be also specified. On-line help is available.

The tool returns a simple ascii file, which can be cut and pasted locally.

logN-logS of high-z AGN in the XMM-COSMOS field (Brusa et al 2008, submitted). All the plotted model curves can be computed with the present web tool.