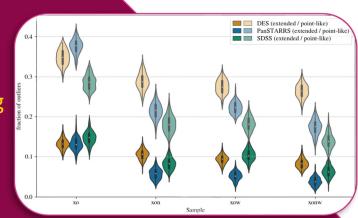




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Position: Senior scientist



I am a senior scientist in the Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing of the National Observatory of Athens. My main research focuses on the extragalactic X-ray populations. My work involves the study of the physical mechanisms and the geometry of the AGN through advanced spectral modelling, simulations and variability analysis techniques.

I participate in the XMM2ATHENA project as a co-leader in WP8. The main contribution of our team in the projects involves the development of a pipeline for the calculation of photometric redshift based on MLZ-TPZ algorithm. The pipeline includes a k-fold cross-validation method for evaluating the accuracy and reliability of the results, the selection of the optimal feature set for photo-z calculations using a Recursive Elimination Feature (REF) algorithm, and the quality evaluation of the individual photo-z, using the shape of the redshift probability distribution given by TPZ. The final product will be a photometric redshift catalogue for all identified 4XMM sources.