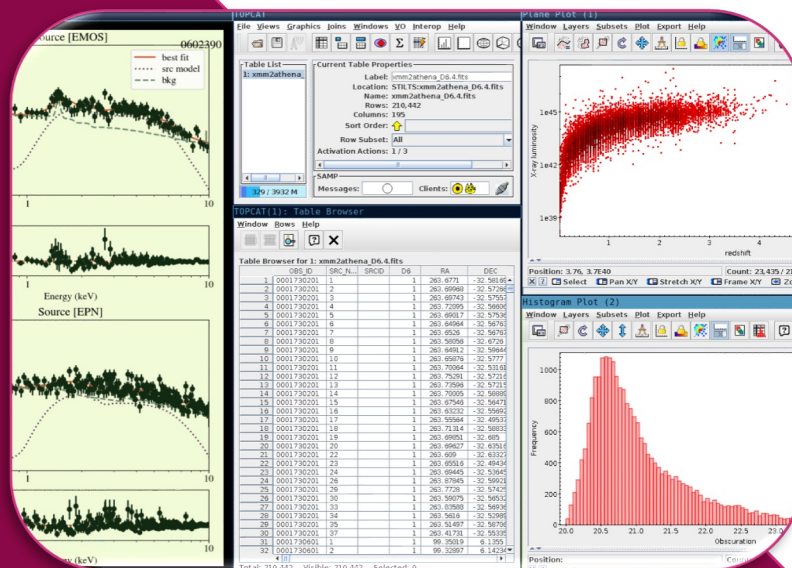




Akke Viitanen

Organization: Instituto de Física de Cantabria (IFCA)

Position: Post-doc



Akke Viitanen is working on Xmm2Athena work package 6, namely on the deliverable 6.4, whose goal is to fit physically motivated models to identified sources from deliverables 6.1 and 6.2. This deliverable intends to bridge the gap between X-ray detections and the physics responsible for producing the X-rays.

Each identified point-like source is classified as extragalactic (active galactic nuclei) or galactic (stars, X-ray binaries, cataclysmic variables), and the X-ray spectra is fit various models according to the classification. Then, we provide the best-fit parameters of each of the source along with the confidence intervals using Bayesian inference.

Viitanen is working with the IFCA computer cluster, conducting these large-scale fits for over a hundred thousand identified sources. He is also working on the analysis of the results and the creation of the 6.4 catalogue to be delivered.