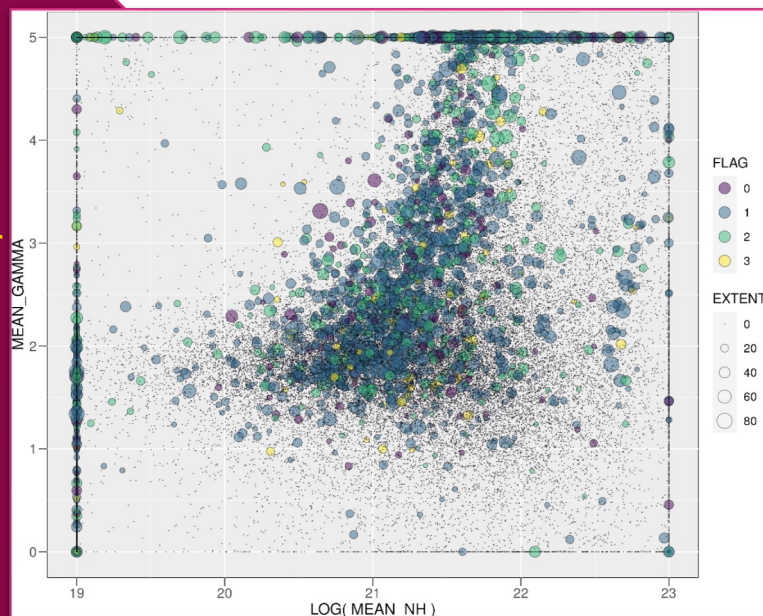




Adriana Pires

Organization: Leibniz-Institut für Astrophysik Potsdam (AIP)

Position: Post-doc



Adriana is a post-doctoral researcher at AIP specialising in neutron star populations in the Milky Way. She is particularly interested in the physical processes behind the phenomena and evolution of isolated neutron stars and pulsars and the conditions affecting their observability in multi-wavelength surveys.

Her work methodology consists of cross-correlating astronomical catalogues to pinpoint rare and elusive X-ray sources, often showing unique or unusual properties; these are then followed up with high throughput telescopes to investigate their properties and evolutionary state.

As a member of the Spectrum Roentgen Gamma eROSITA German Consortium, she is involved in research projects on cooling isolated neutron stars and candidates from both deep pointed observations and the all-sky survey. In XMM2ATHENA WP4, she has contributed for the redesigning of the software for source detection and is responsible for the compilation, testing, and documentation of the Enhanced Stacked Catalogue. In addition, she is the point-of-contact for the Galactic Science branch of WP9 through a search for new thermally-emitting isolated neutron stars serendipitously detected in XMM-Newton observations.