

The restless nature of AGN: 10 years later



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The multi-wavelength monitoring campaign of the variable Seyfert NGC 2992

The near X-ray bright Seyfert 2 galaxy NGC 2992 was extensively observed by XMM-Newton, NuSTAR and Swift from 2019 to the end of 2021. The resulting exposures provide a compelling multi-epoch dataset to test for the properties of this source across different timescales, from hours up to years. Our analysis revealed the X-ray emission of NGC 2992 to show remarkable changes (larger than a factor of ~ 10) with the fastest variability of $\sim 60\%$ observed in few hours. However, these prominent variations are only accompanied by moderate changes of the spectral properties of the NGC 2992 spectrum at odds in principle with a variable hot corona. We will report on the spectral and temporal analyses that, chasing different timescales, provide a comprehensive and detailed description of the accretion mechanism in place in the nucleus of NGC 2992.

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