Monitoring Supergiant Fast X-ray Transients with Swift and XMM-Newton

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Abstract

In this contribution, I will present the current status of our long term monitoring program of the Supergiant Fast X-ray transients with Swift/XRT, including an exhaustive summary of the main findings on this class of extremely variable sources in the X-ray domain. I will also report on the most recent results obtained through a combined XMM and NuSTAR long observational campaign on the SFXT prototype IGRJ17544−2619, highlighting all challenges that do not currently allow us to theoretically interpret the SFXT phenomenology in a satisfiable way.