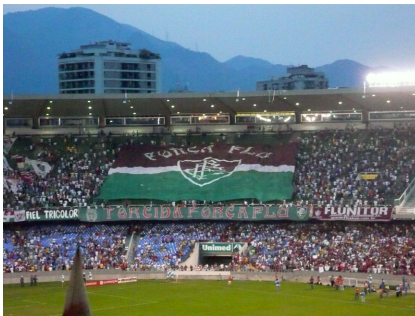
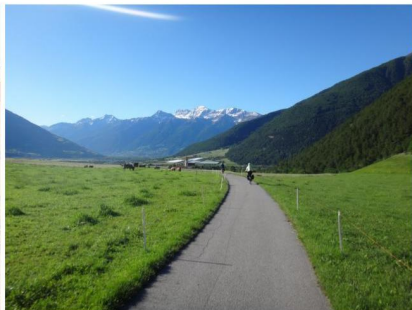


Apresentação INformal

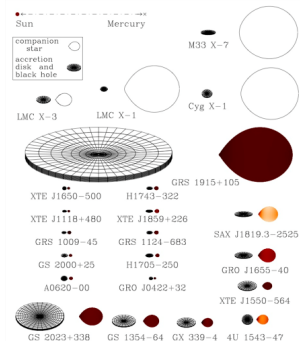


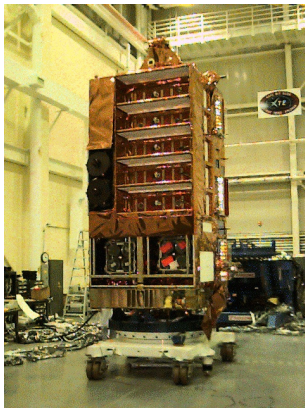
Aproveitando a vida em 2017!

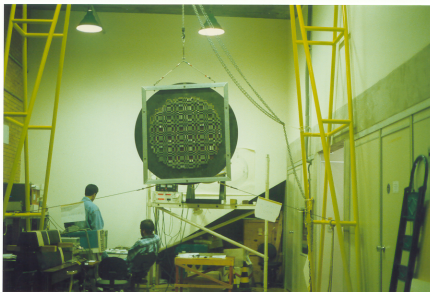
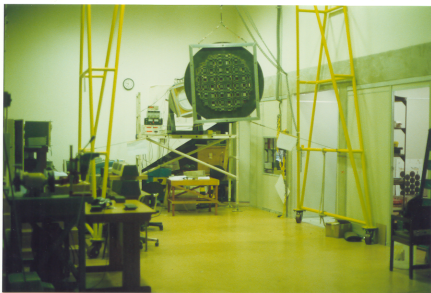


- ▶ eu sou, como todos vocês sabem, vice-coordenador da pós
- ▶ e isso me deu o prazer de acompanhar todo o processo de admissão dos alunos desde 2016 e, portanto, é por isso que eu conheço todos vocês
- ▶ isso também me deu a oportunidade de conhecer, no Doutorado, os outros alunos que eu não tivera chance de conhecer antes
- ▶ em 2017 eu ofereci, no período letivo 3, *Tópicos Especiais*: um aluno matriculado (Dudu)
- ▶ eu comecei, em 2017/período letivo 1, a orientar o *Dudu*, juntamente com o João

Nós ganhamos a vida assim









Tandem *Swift* and *INTEGRAL* Data to Revisit the Orbital and Superorbital Periods of 1E 1740.7–2942

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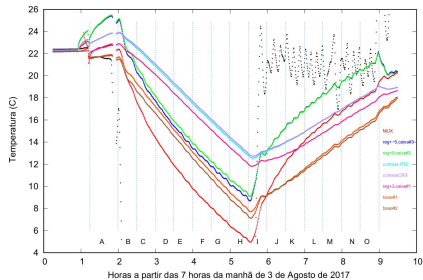
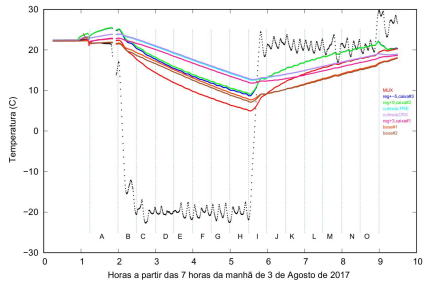
Abstract

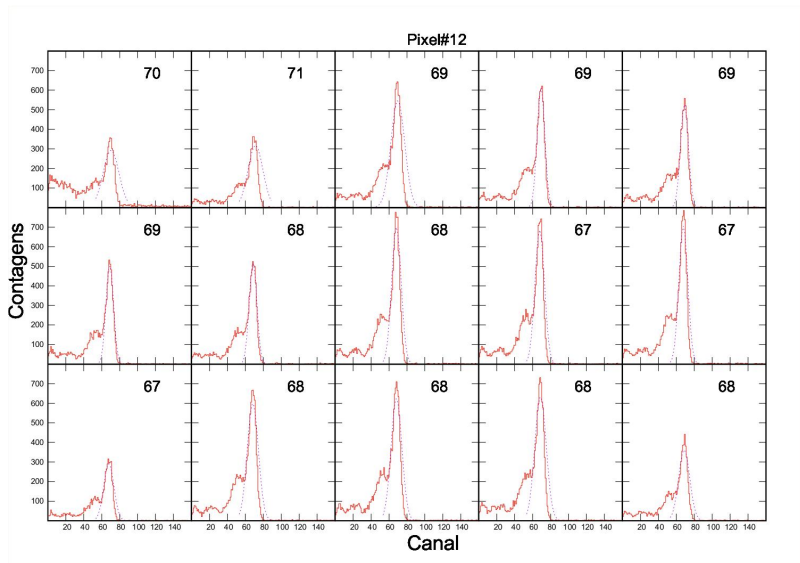
The black hole candidate 1E 1740.7–2942 is one of the strongest hard X-ray sources in the Galactic Center region. No counterparts in longer wavelengths have been identified for this object yet. The presence of characteristic timing signatures in the flux history of X-ray sources has been shown to be an important diagnostic tool for the properties of these systems. Using simultaneous data from NASA’s *Swift* and ESA’s *INTEGRAL* missions, we have found two periodic signatures at 12.61 ± 0.06 days and 171.1 ± 3.0 days in long-term hard X-ray light curves of 1E 1740.7–2942. We interpret those as the orbital and superorbital periods of the object, respectively. The reported orbital period is in good agreement with previous studies of 1E 1740.7–2942 using NASA’s *RXTE* data. We present here the first firm evidence of a superorbital period for 1E 1740.7–2942, which has important implications for the nature of the binary system.

Key words: stars: individual (1E 1740.7-2942) – X-rays: binaries

Subjecting material: data behind figure







- ▶ acabou; um abraço; todos vcs sabem onde me encontrar e vão encontrar a porta sempre aberta