

Call for proposals for *Swift* observing time

Following the successful execution of the first Cycle, the Instrument Center for Danish Astrophysics (IDA) invites applications from the Danish community for observations with the *Swift* Observatory, to be carried out over the period 2014 July - 2015 June. One million seconds will be available to the Danish community.

Swift is equipped with three telescopes that operate simultaneously: the Ultraviolet/Optical Telescope (UVOT), for photometry and grism spectroscopy in the blue / near ultraviolet range (1700–6500 Å); the co-aligned X-Ray Telescope (XRT), covering the 0.3–10 keV X-ray band over a circular field of view of 24' diameter; and the Burst Alert Telescope (BAT), a wide field (1.4 sr) gamma-ray monitor sensitive in the 15–350 keV band.

While the design goal of *Swift* is the study of gamma-ray bursts, its multi-wavelength coverage, high sensitivity, and flexible scheduling makes it ideal to study several classes of sources, both Galactic and extragalactic, including comets, stars, binaries, neutron stars, black holes, novae, supernovae, active galaxies, blazars, galaxy clusters, and unknown transients. *Swift* scheduling and rapid slew are highly flexible and allow rapid reaction to new sources, monitoring campaigns, and observations coordinated with other facilities.

Special consideration will be given to well-motivated, large-sized projects, requesting a significant fraction of the offered time, especially if related to projects of general interest to the astronomy community. Observations under the IDA agreement will have a high priority in the busy *Swift* schedule, allowing the execution of large projects. All *Swift* data are non-proprietary, and they become publicly available a few hours after collection.

Swift cannot point to any location in the sky for more than 1800 s. Longer exposures are split into several snapshots, possibly extending over several days, so that it is hard to observe for longer than around 10 ks per day. *Swift* is also subject to several pointing constraints, so the visibility of the proposed targets should be checked if specific time windows are desired.

The deadline for submission of proposals is Friday, 2014 May 2. Multiple proposals can be submitted, and international collaborators are welcome. Fill the attached LaTeX template and return the resulting PDF via email to ida@phys.au.dk. Inquiries can be addressed to Daniele Malesani (malesani@dark-cosmology.dk).

Useful links:

- *Swift* call for proposal page: <http://heasarc.gsfc.nasa.gov/docs/swift/proposals/>
- Target visibility check: <http://heasarc.gsfc.nasa.gov/Tools/Viewing.html>
- Spectral simulator: <http://heasarc.gsfc.nasa.gov/webspec/webspec.html>
- BAT information: http://heasarc.gsfc.nasa.gov/docs/swift/about_swift/bat_desc.html
- XRT information: http://heasarc.gsfc.nasa.gov/docs/swift/about_swift/xrt_desc.html
- UVOT information: http://heasarc.gsfc.nasa.gov/docs/swift/about_swift/uvot_desc.html