



MIT Kavli Institute
for Astrophysics
and Space Research

HETG - Status

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Dan Dewey
dd@space.mit.edu

HETG IPI: Prof. C.R. Canizares
MIT Kavli Institute



Ongoing HETG Team Activities Summary

- HETG Performance (March 2011 -- Aug. 2011)
 - 42 HETG obsids on 13 Science + 1 Cal targets
 - * Includes our GTOs: SN 1987A, Mkn 841, GX 349+2, 3C 445.
 - HETG performance is nominal
 - * FWHM of streak is stable.
 - LETG usage: 21 obsids on 6 Science + 4 Cal targets
- Science Support to CXC
 - Supported Candra Peer Review (2 panelists)
 - TGCat migrated to new server; observations up-to-date.
<http://tgcat.mit.edu/>

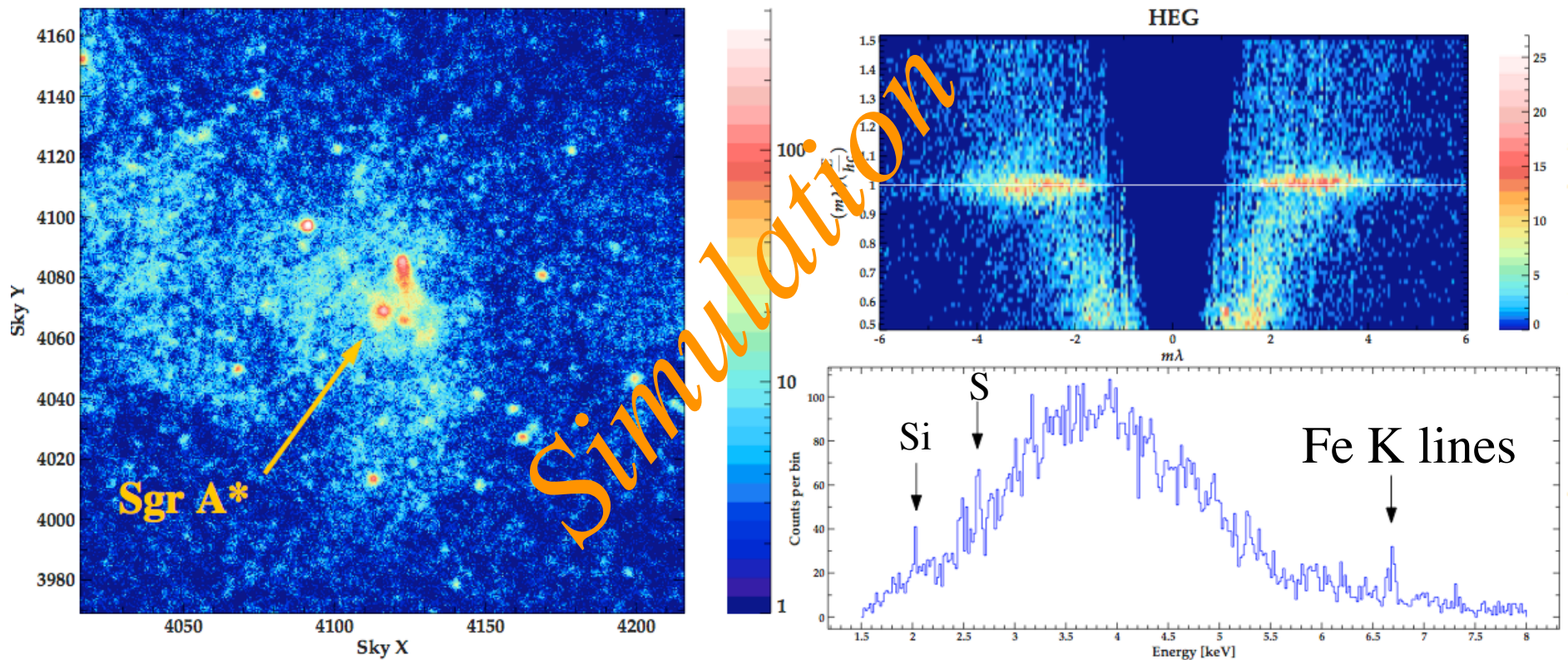


Ongoing HETG Team Activities, cont.

- GTO Science Program
 - Cycle 12 left-over:
 - XRB: GX 349+2 (20 ks left, scheduled in Oct.'11)
 - Cycle 13:
 - ✓ AGN: 3C 445 [420 ks]
 - XRB: SMC X-1 [260 ks] (approved in Peer Review)
 - Star: HD 97950C [50 ks] (~ Nov.'11)
 - Postdoc status:
 - * Two postdocs selected and now on-board.

MKI Science: Massive Blackhole at Our Galaxy Center

- ➔ 3 Ms (!) XVP with HETG to observe Sgr A* (PI Baganoff, MIT)
- ➔ Quiescent accretion studied with Fe lines
- ➔ Measure flare spectra without pileup effects
- ➔ Large team of investigators: Multi-wavelength Obs., Theory, HETG



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