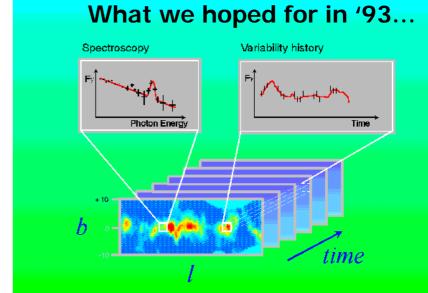
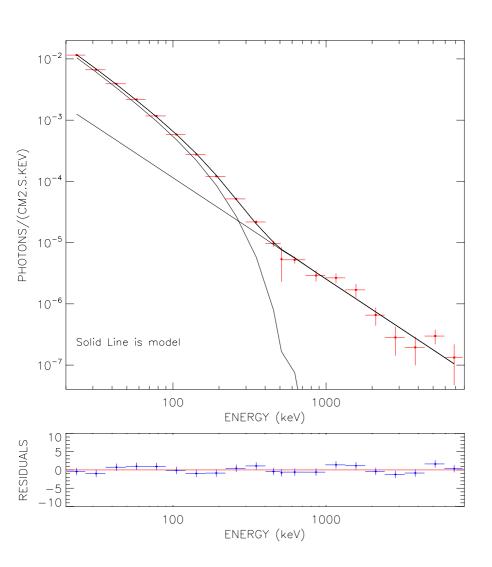


17-30, 30-60, 40-100 colours

GRS 1915-105



## THE SKY IN HARD X RAYS WITH SPI/INTEGRAL

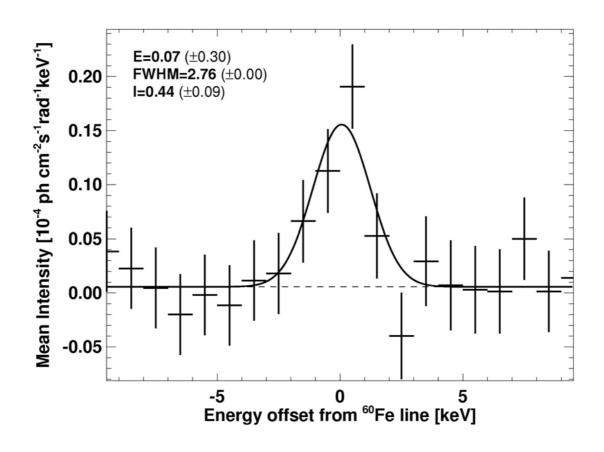


#### **CYG X-1**

Thermal Comptonisation (Comptt)  $kT \sim 43 \text{ keV}$   $\tau \sim 1$ 

Power law photon index ~ 1.7

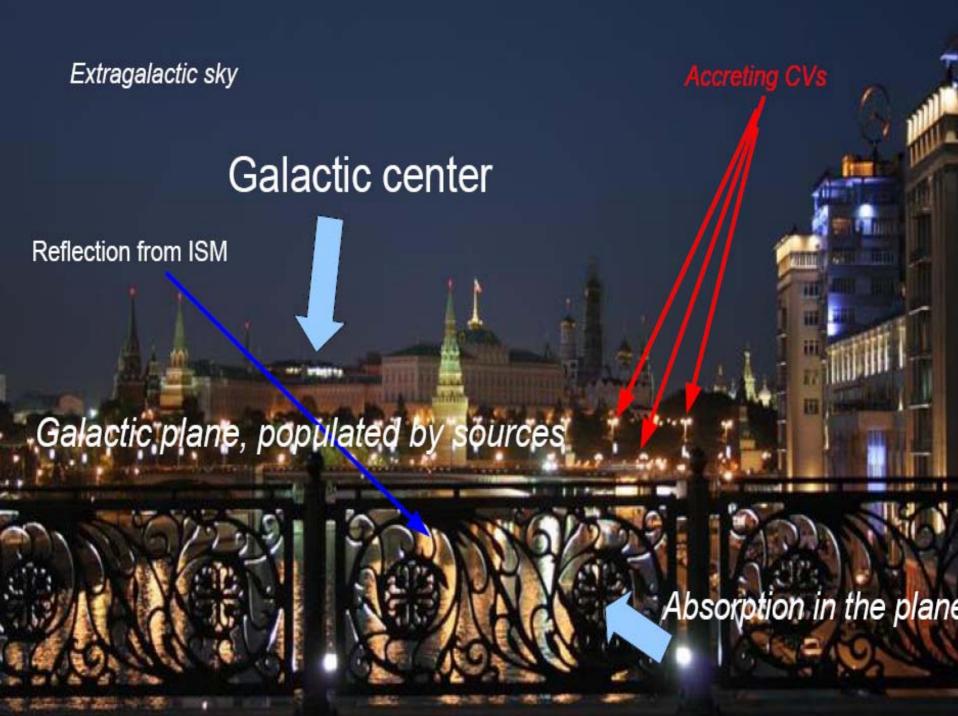
### <sup>60</sup>Fe Detection – Combination



 $\rightarrow$  Combined emission:  $(4.4\pm0.9)\times10^{-5}$  ph cm<sup>-2</sup> s<sup>-1</sup> rad<sup>-1</sup>

## Now we know the origin of pale stripe along the plane

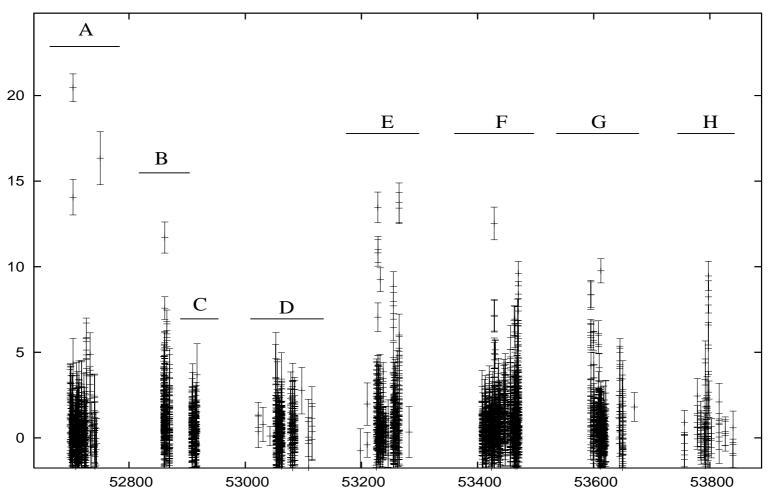




#### IGR J16479-4514, the 9th SFXT

Optical counterpart recently identified as supergiant (Chaty 2007, astroph 0710.0292)

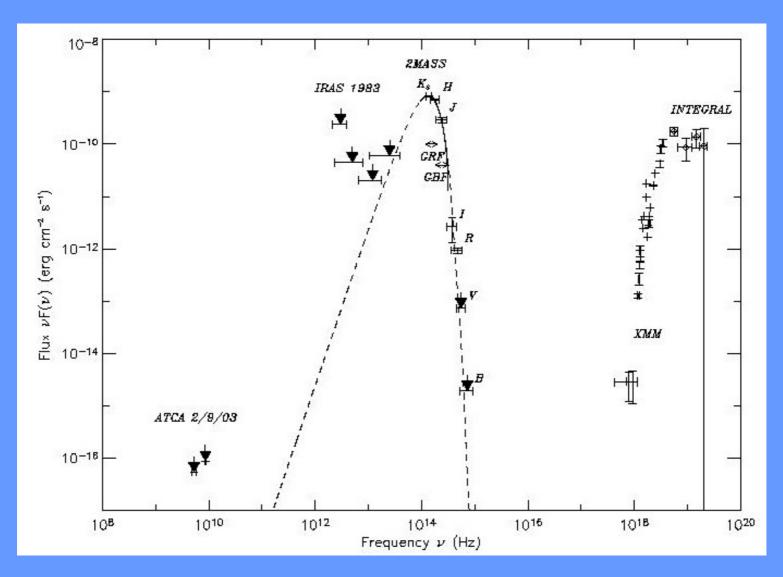
SFXT with the highest duty cycle (Sguera et al. 2007 to be submitted)



ISGRI light curve (18-60 keV) from Feb 2003 to Apr 2006

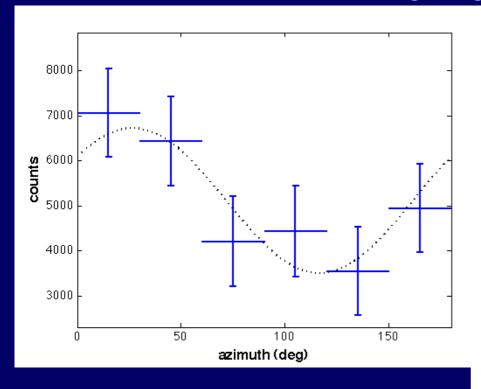
bin time 2000 s

# The obscured source IGR J16318-4848

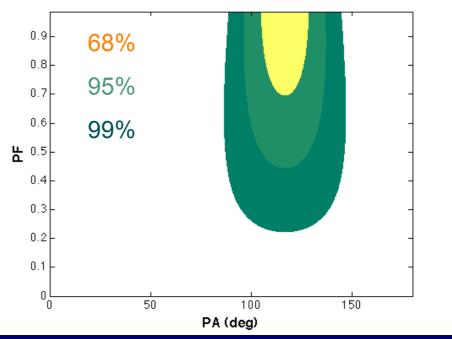




# azimuth profile: off-pulse + bridge

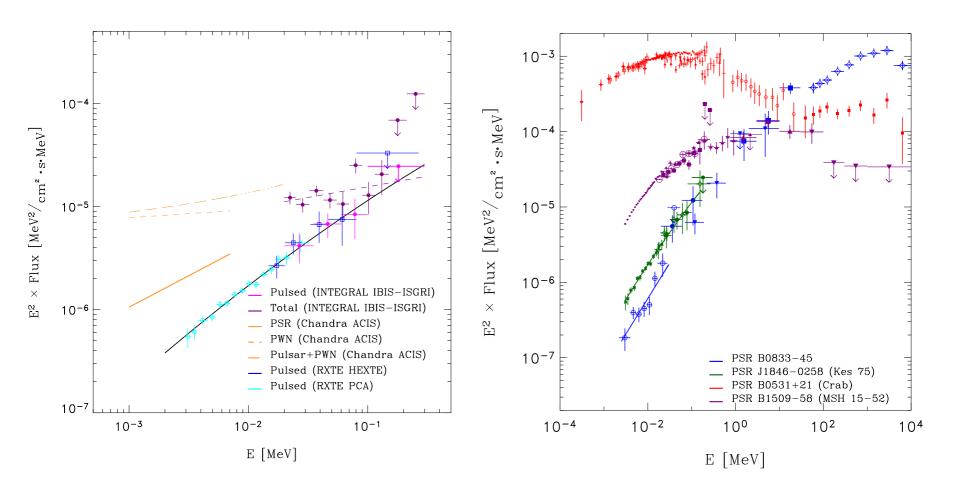


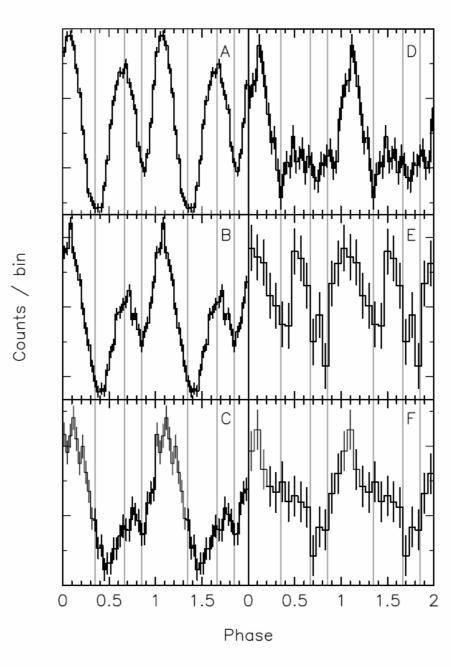
PA =  $116.6^{\circ} \pm 7.9^{\circ}$ PF =  $1.04 \pm {0.30}_{0.25}$ 



proba(a >  $a_0$ , any  $\phi$ ) = 8.7 10<sup>-4</sup>

### High-energy spectrum of **PSR J1846-0258**



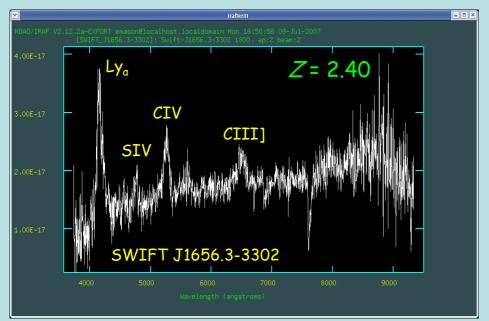


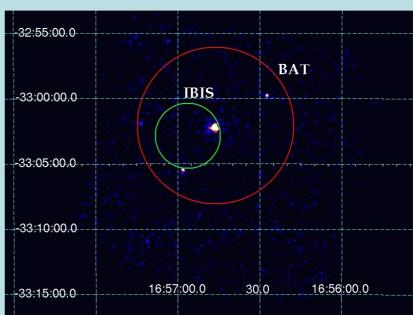
#### The distant blazar Swift J1656.3-3302

Data analysis of spectroscopy collected with the ESO-3.6m telescope plus EFOSC2 on June 2007 allowed us to identify the hard X-ray source Swift J1656.3-3302 as a powerful gamma-ray loud blazar at z = 2.40.

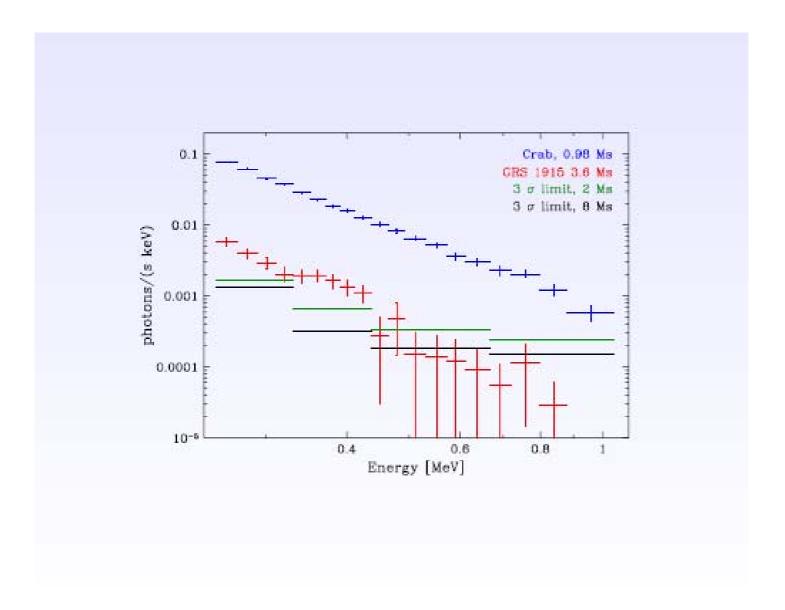
This is, up to now, the farthest optically-identified object of any INTEGRAL survey, and the fourth farthest of all objects detected with INTEGRAL.

Masetti et al. (in prep.)



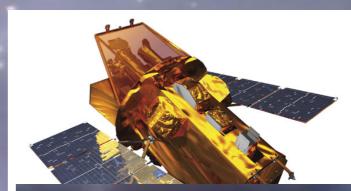


## The Arrival of PIESIT



### Hello, Non-Thermal Universe









## Signification of the second of

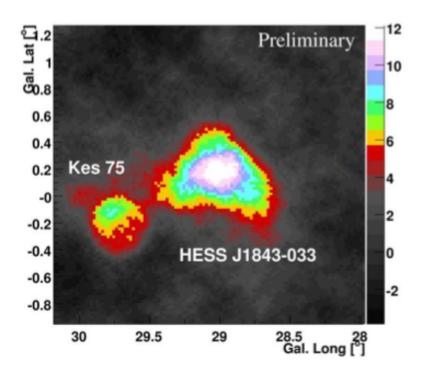


Figure 2:  $\gamma$ -ray significance map of the region containing Kes 75, obtained by counting  $\gamma$ -rays within 0.22° from a given location. The integration radius is part of the standard survey analysis, chosen a-priori and therefore not adjusted to the individual source sizes. Significance values shown do not take the statistical trials involved in the survey into account.



# With Many Thanks for the Fantastic Organization

