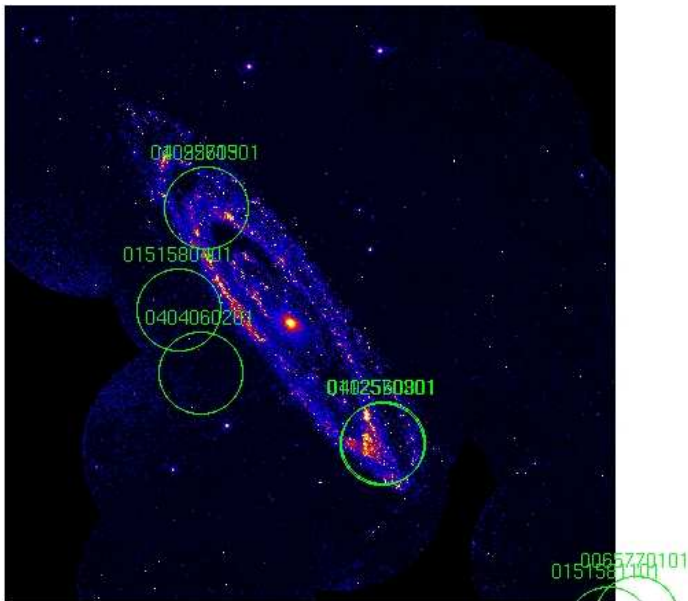


Diffuse emission in M31

Ania, Paul, Elisa, Ernest, Martino, Valentina, Kip

Urbino, 01.08.2008

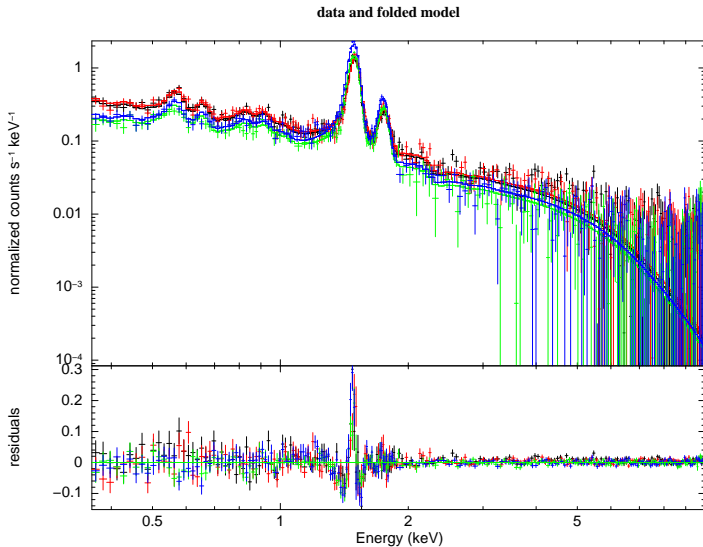
UV image of M31



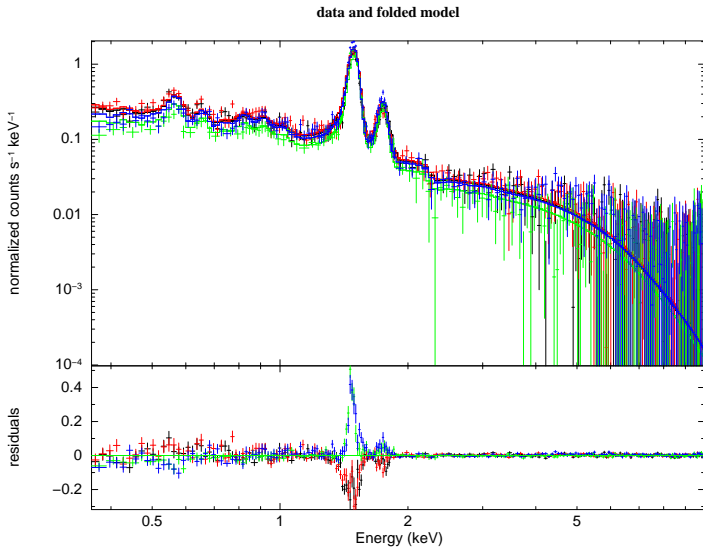
- *background* construction
 - local hot bubble (*apec*) - 0.11 keV
 - absorption of halo and unresolved AGNs (*wabs(apec + pow)*) - $0.06 \times 10^{22} \text{ cm}^{-2}$, 0.26 keV, 1.46
 - instrumental effects (*gaus + gaus*) - Si and Al lines

- *disk regions*
 - background effects
 - gas and unresolved stars (*wabs(apec + apec)*)
 - unresolved binaries (*wabs(pow)*) - 1.9

South Part of the M31 Disk



North Part of the M31 Disk



	South	North
Soft	0.22 keV	-
Norm.	4.7×10^{-7}	-
Hard	0.73 keV	0.73 keV
Norm.	2.96×10^{-7}	2.68×10^{-7}
red. χ^2	1.01	1.27