The Central Molecular Zone of the Milky Way

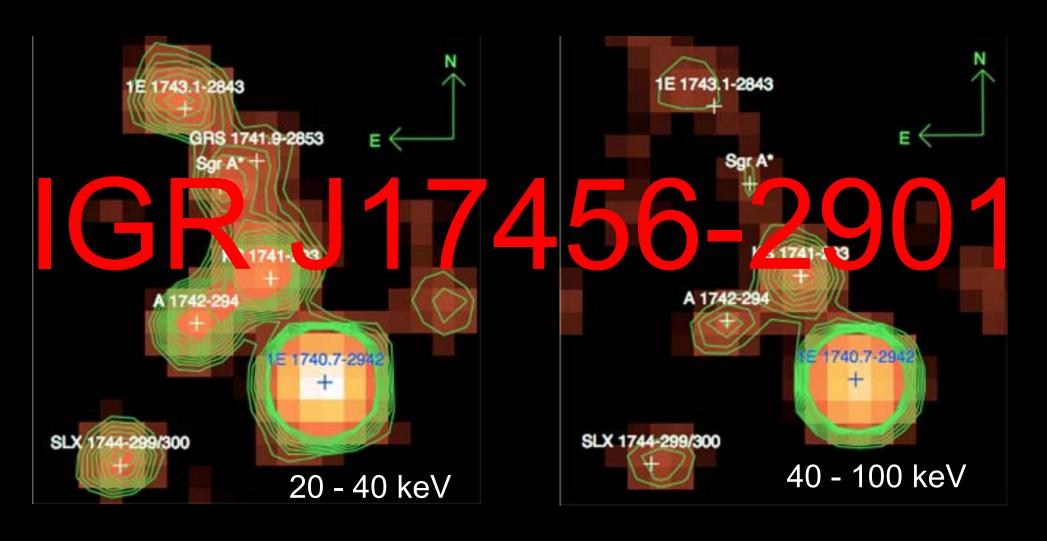
Guillaume Belanger (ESAC) and Regis Terrier (APC)

(Andrea Goldwurm, Mark Morris, Bob Warwick, Matthieu Renaud)



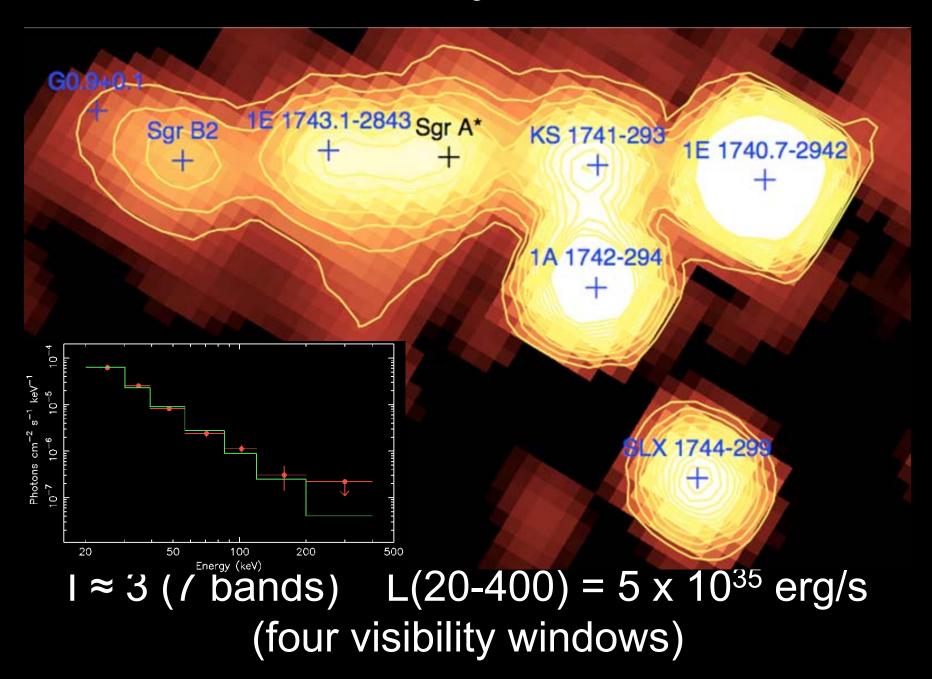
Taking a look back in time ...

February 2004

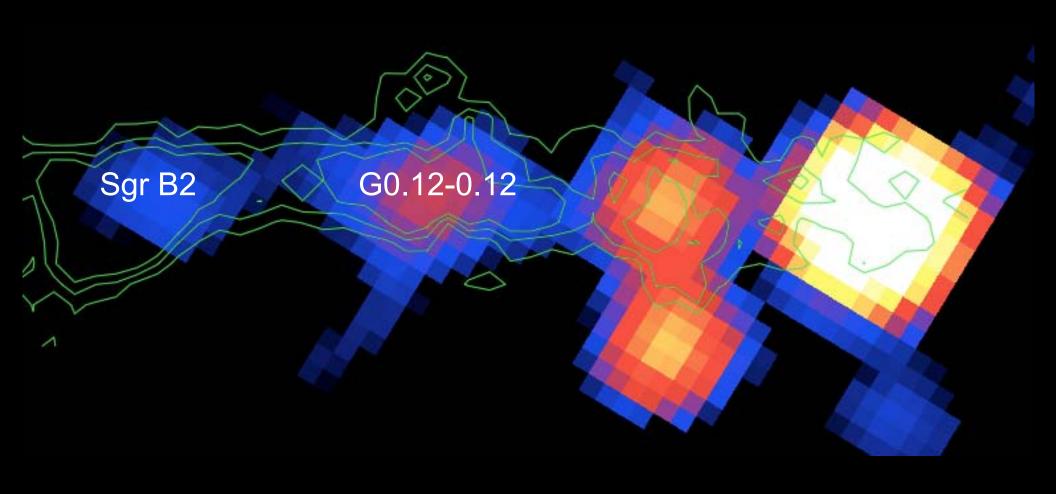


 $L(20-100) = 3 \times 10^{35} \text{ erg/s (one visibility window)}$

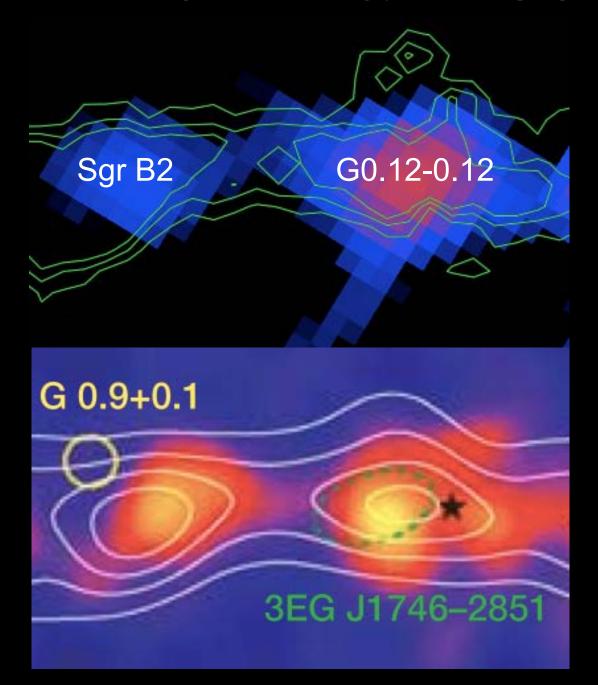
January 2006



IBIS/ISGRI 56-85 keV

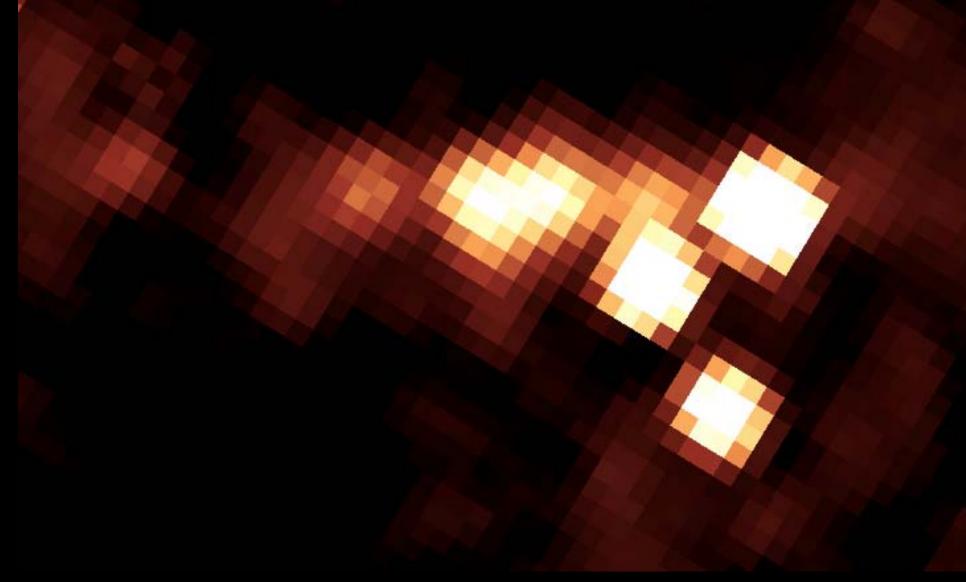


INTEGRAL & HESS

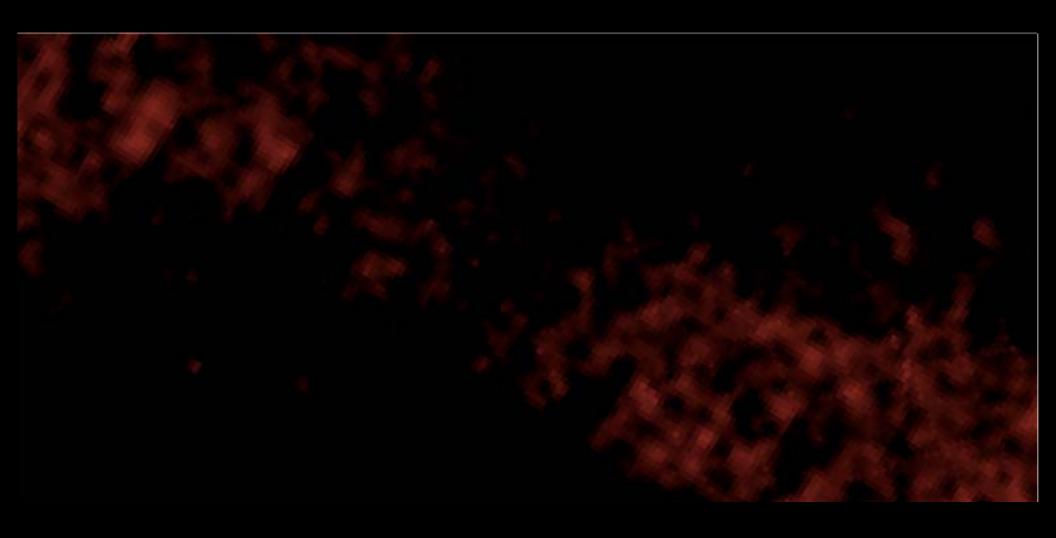


NOW ... with 9 visibility windows

IBIS/ISGRI 17-50 keV



Five Years of Integral - Sardinia



Five Years of Integral - Sardinia

Spectra

- All sources: fixed positions variable widths
- 15 energy bands:

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17-20
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20-24

24-28

28-33

33-38

38-44

44-50

50-58

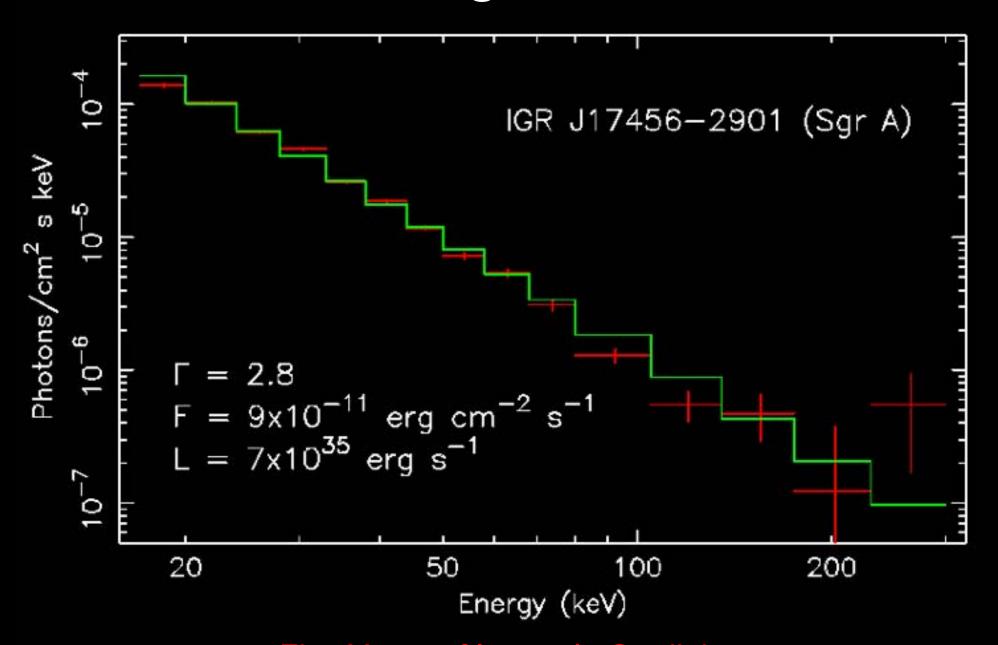
58-68

68-80

80-105; 105; 135; tel 35-175; n1 75-230,

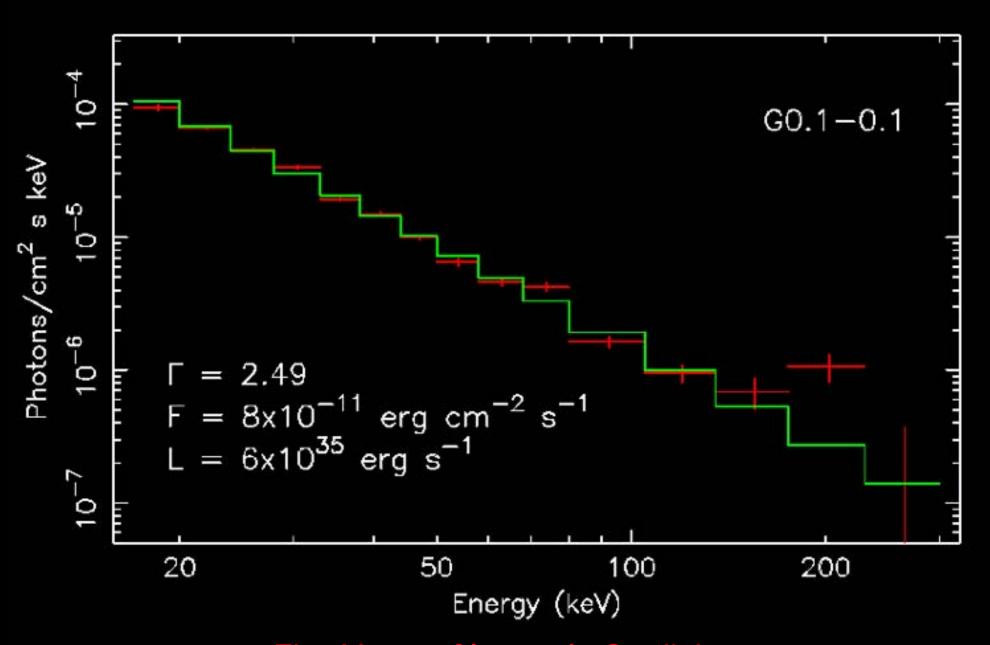
330 300

Sgr A



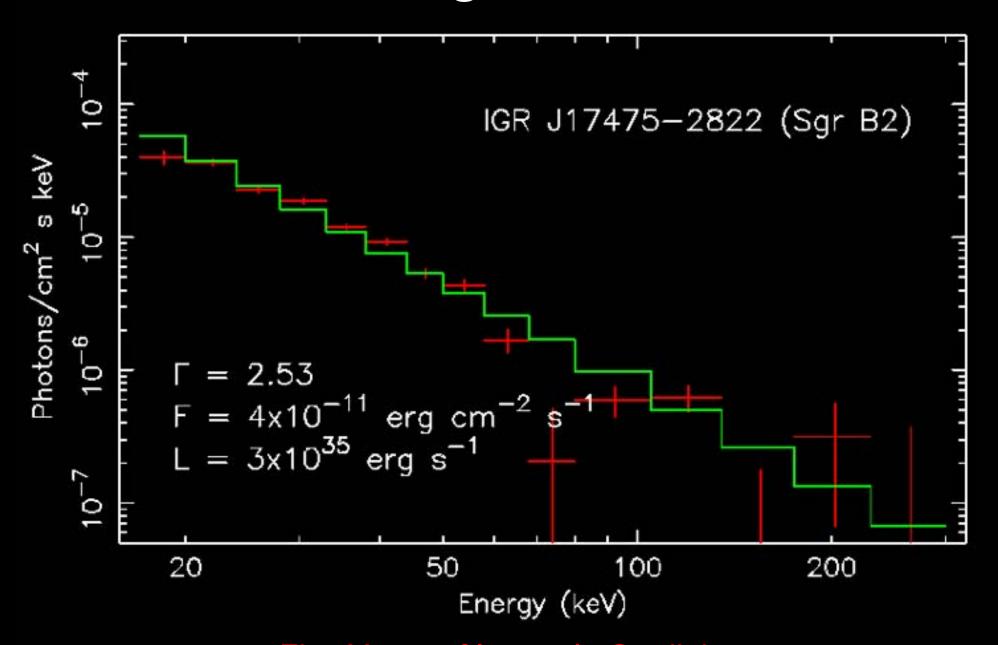
Five Years of Integral - Sardinia

G0.1-0.1



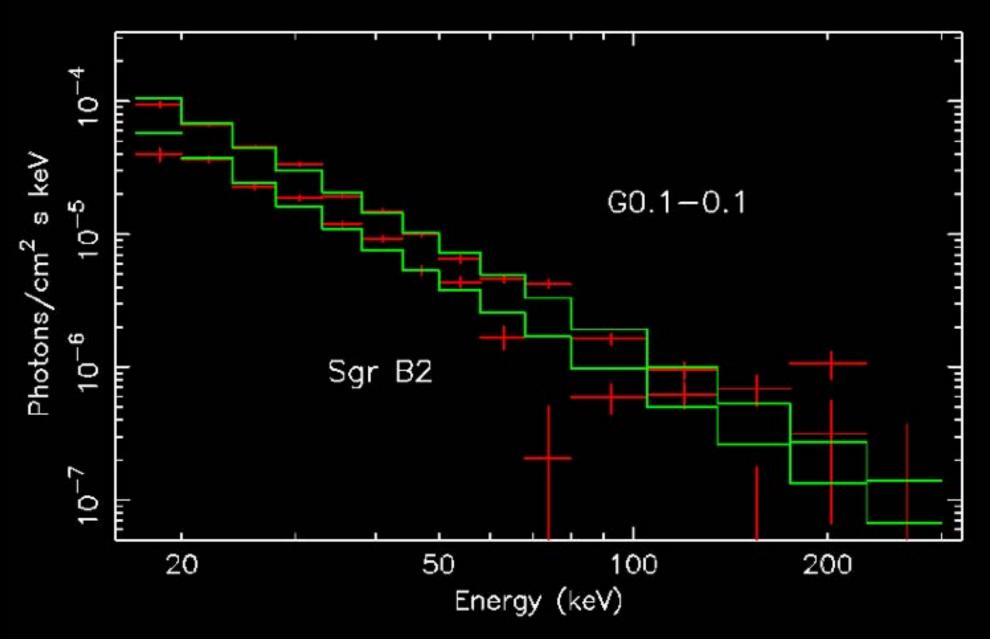
Five Years of Integral - Sardinia

Sgr B2



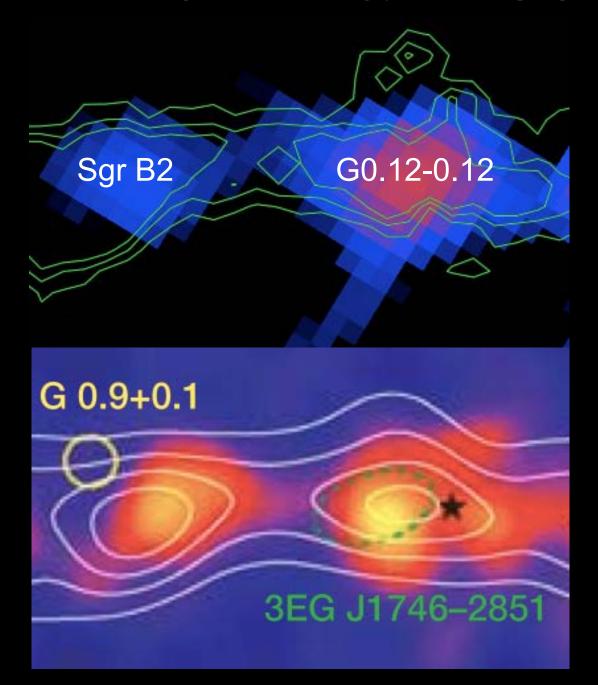
Five Years of Integral - Sardinia

Sgr B2 and G0.1-0.1



Five Years of Integral - Sardinia

INTEGRAL & HESS



Always more work!

- Study morphology of extended sources
- Construct a more refined emission

model

- Improve our characterisation of the

errors

- Combined XMM and Integral study of Five Years of Integral - Sardinia CMZ