

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

SPI/INTEGRAL measurement of the Central radian soft gamma-ray continuum emission BOUCHET LAURENT, ROQUES JEAN-PIERRE, CESR, France — It is clear now that unresolved sources contribute for the greatest part to the soft gamma-ray “diffuse emission” estimated by past instruments, and that always better sensitivity of the instruments leads to continuous reduction of this “diffuse emission.” The last stage is brought now by the INTEGRAL observatory. INTEGRAL is performing a deep survey of the central radian of the galaxy. First, we have built a catalogue of the hard sources of X-ray (> 20 keV) detected by SPI/INTEGRAL, extracted their spectra and light curves simultaneously as the “diffuse emission” flux whose morphology has been represented with a simple analytical model. Finally we compared the total sources and the “diffuse emission” contributions.

Bouchet Laurent

Date submitted: 15 Mar 2005

Electronic form version 1.4