

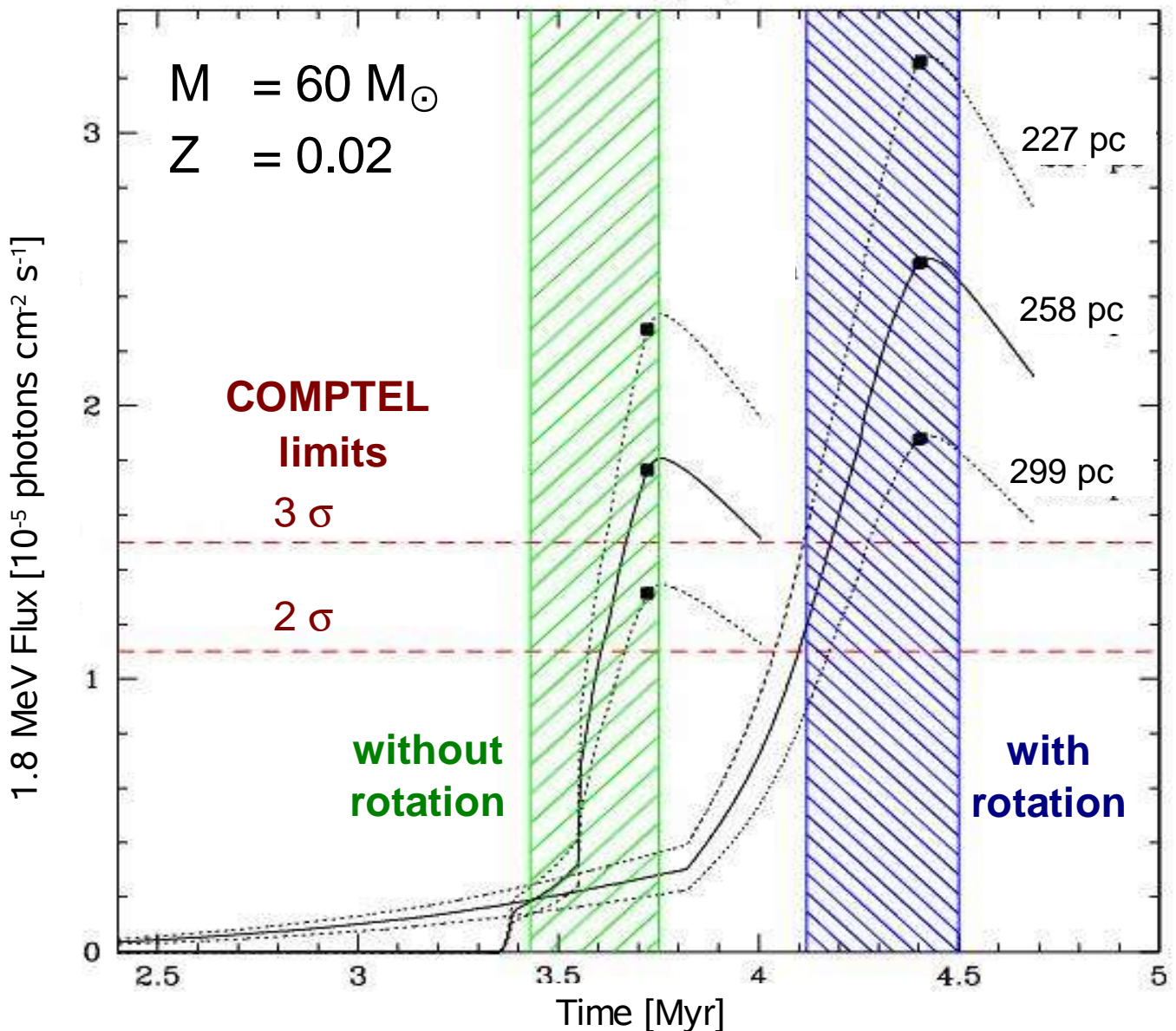
^{26}Al from γ^2 Velorum

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γ^2 Velorum: Closest WR-star, in binary system
The only object from which a direct detection of ^{26}Al can be expected.

Model predictions

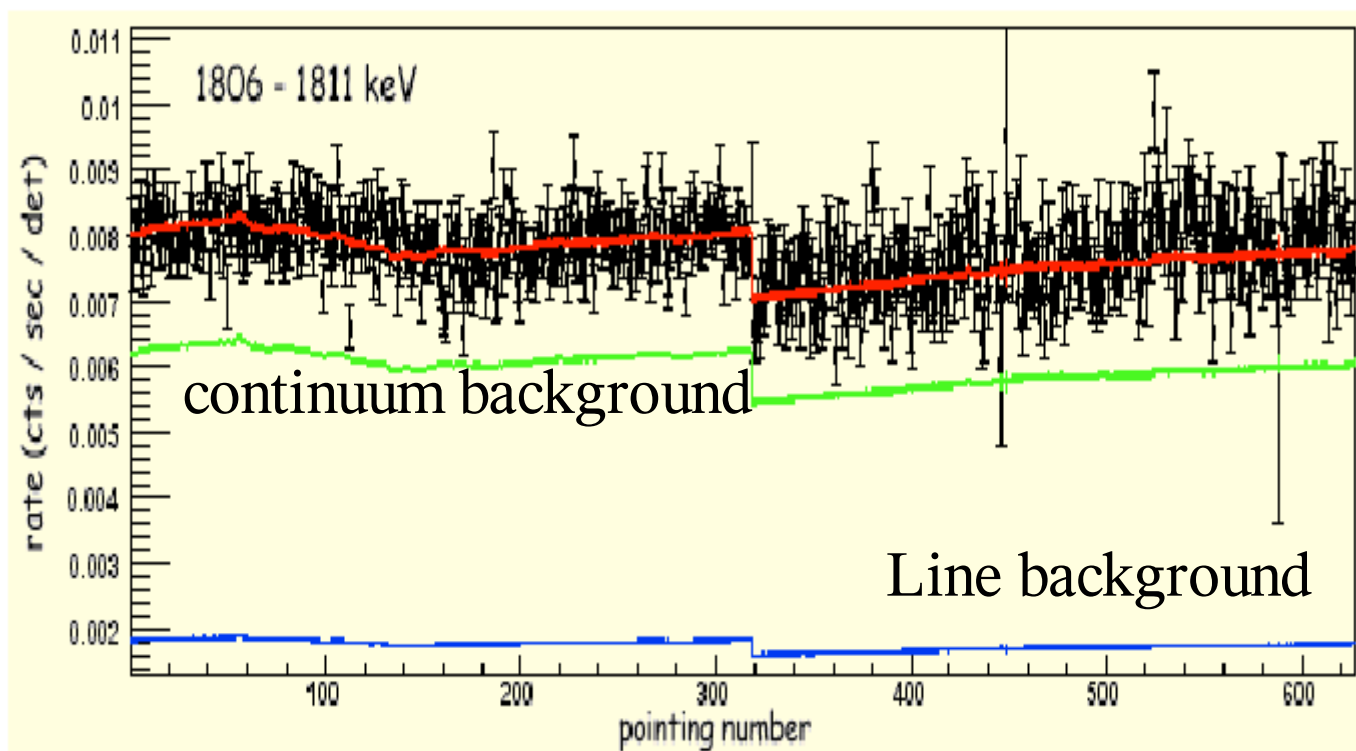
For more details, see: “5th INTEGRAL Workshop” proceedings (2005)
and “Nuclei In The Cosmos VIII” proceedings (2005)



^{26}Al should have already been detected by COMPTTEL if assimilated to a point source emission

INTEGRAL observations: June & September 2003

For more details, see: "5th INTEGRAL Workshop" proceedings (2005)



Line component from empty-field observations

($|b| > 20$ deg, 4Ms,

subtracted from continuum using adjacent 1786-1802 + 1815-1828 keV and time variation from GEDSAT)

Continuum component from adjacent lines

(assumed constant in energy,

time variation from GEDSAT with adaptive running average which collects at least 10000 in the adjacent energy bands)

Total live time : 2.1×10^6 s

Current upper limit: 2.6×10^{-5} ph cm⁻² s⁻¹ (2 sigma)

Current & Future work:

* **Observations:** - improve background subtraction and
- and wait more data ...

* **Theory:** - evaluate the impact of extended ²⁶Al
emission around γ^2 Velorum