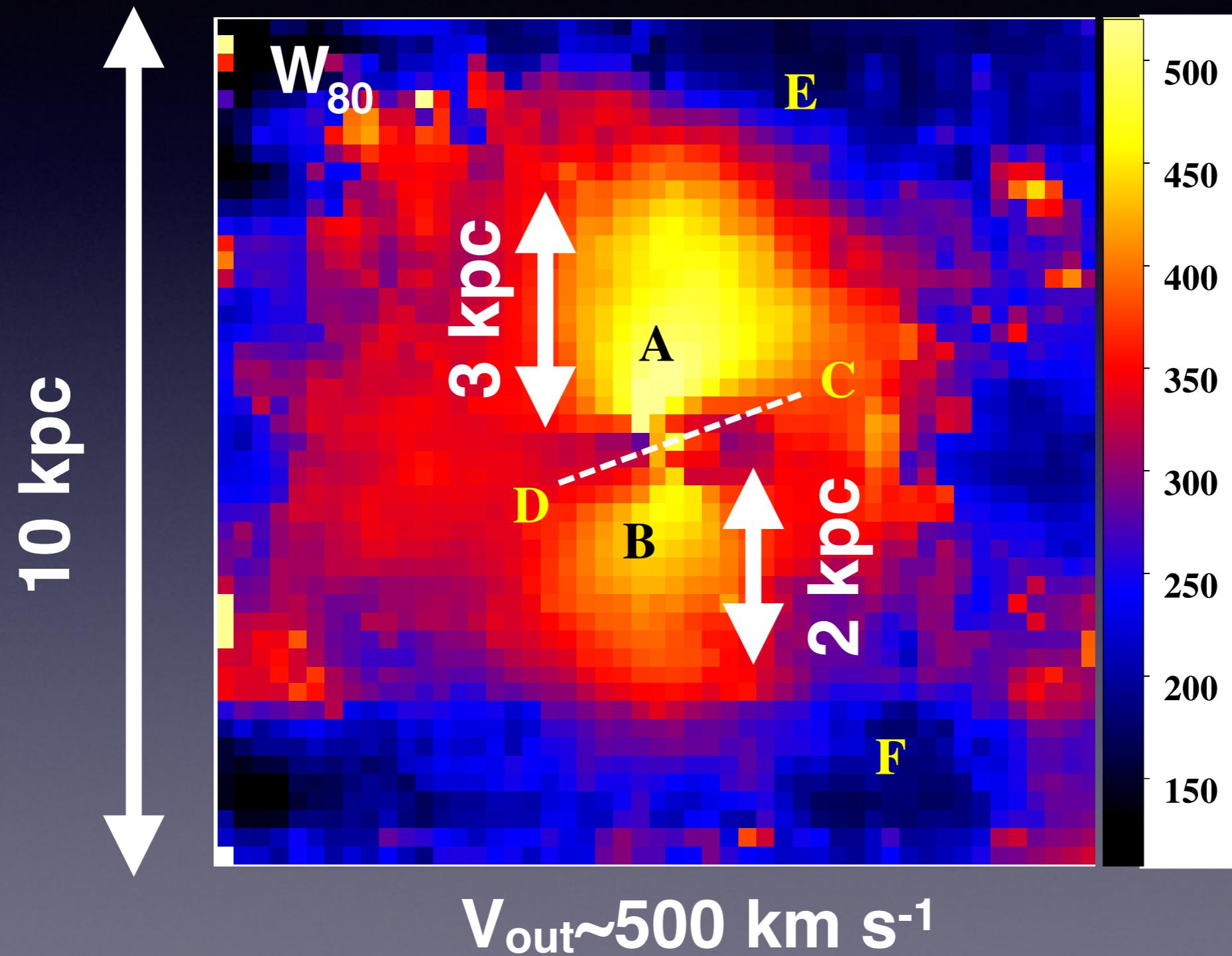


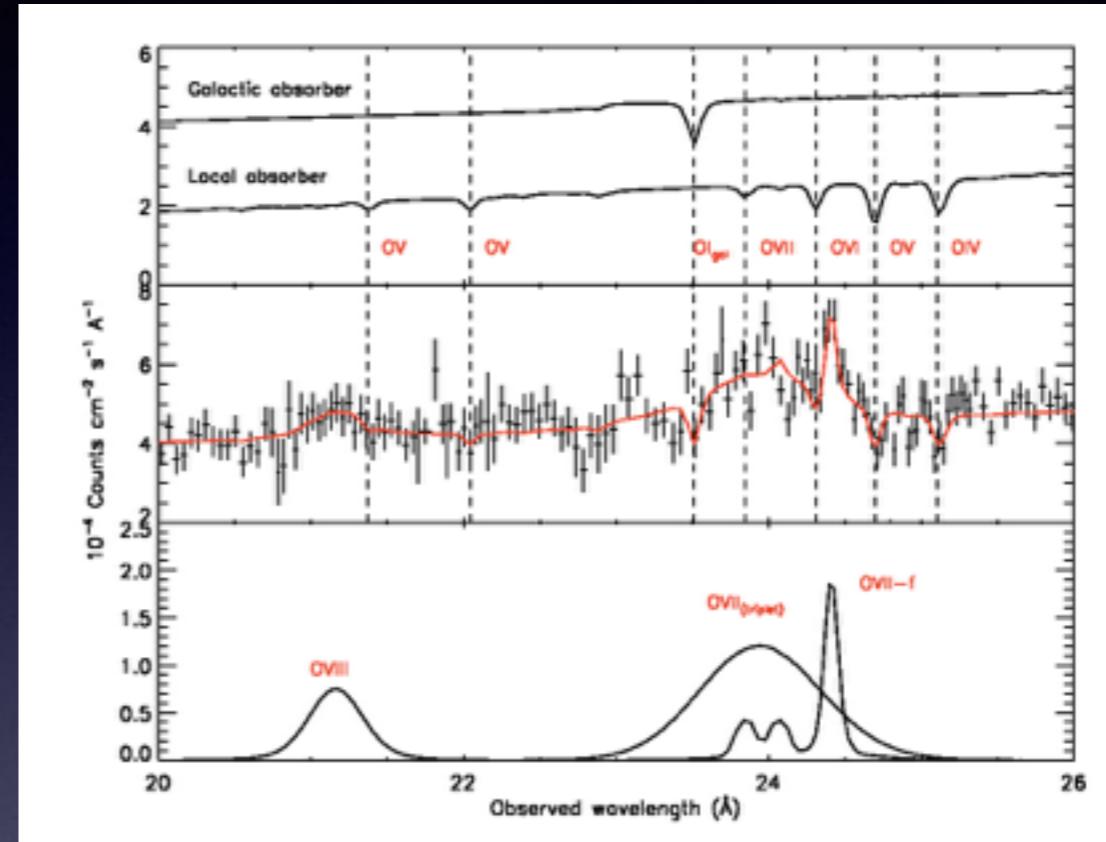
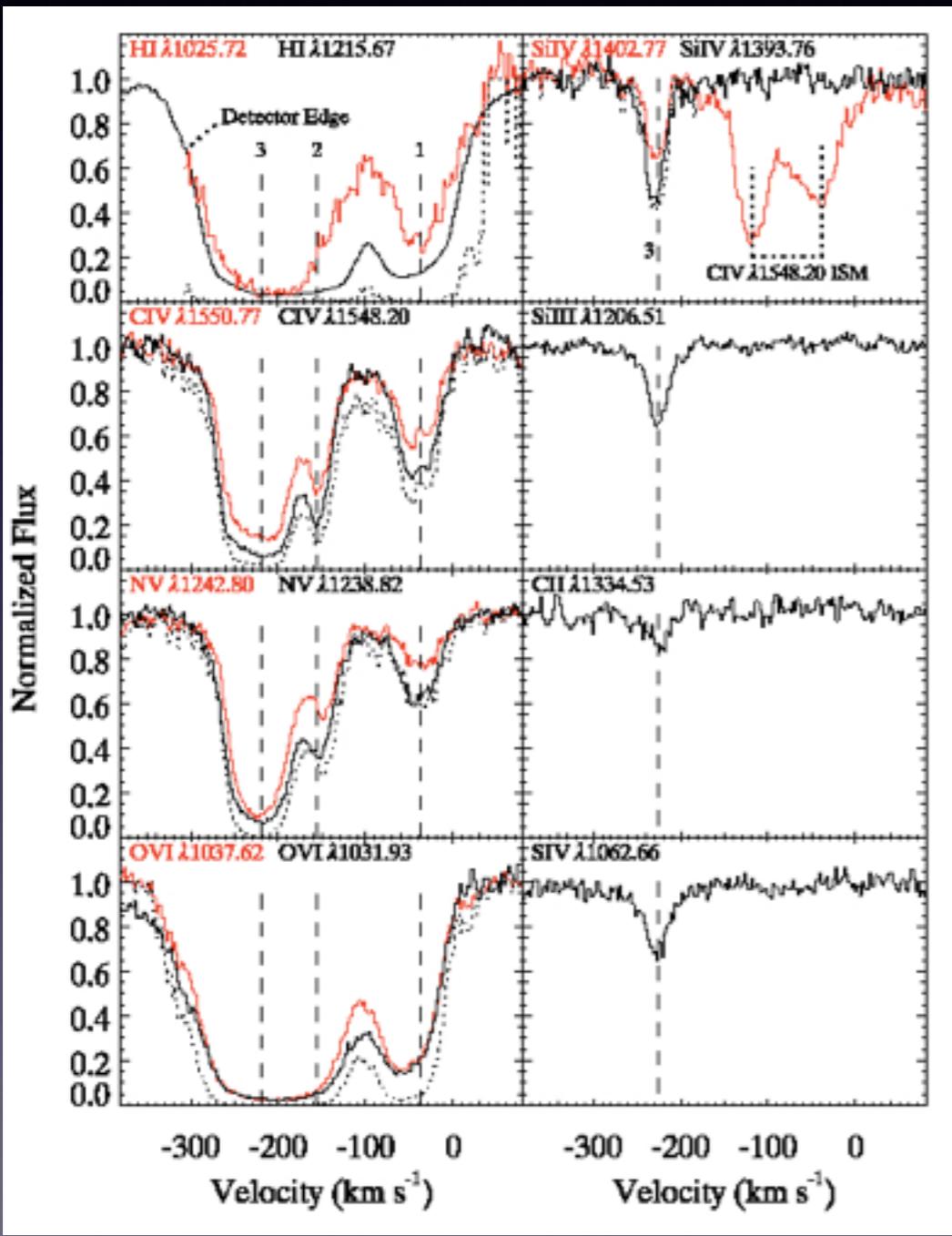
The case of the galactic wind in 1H 0419-577

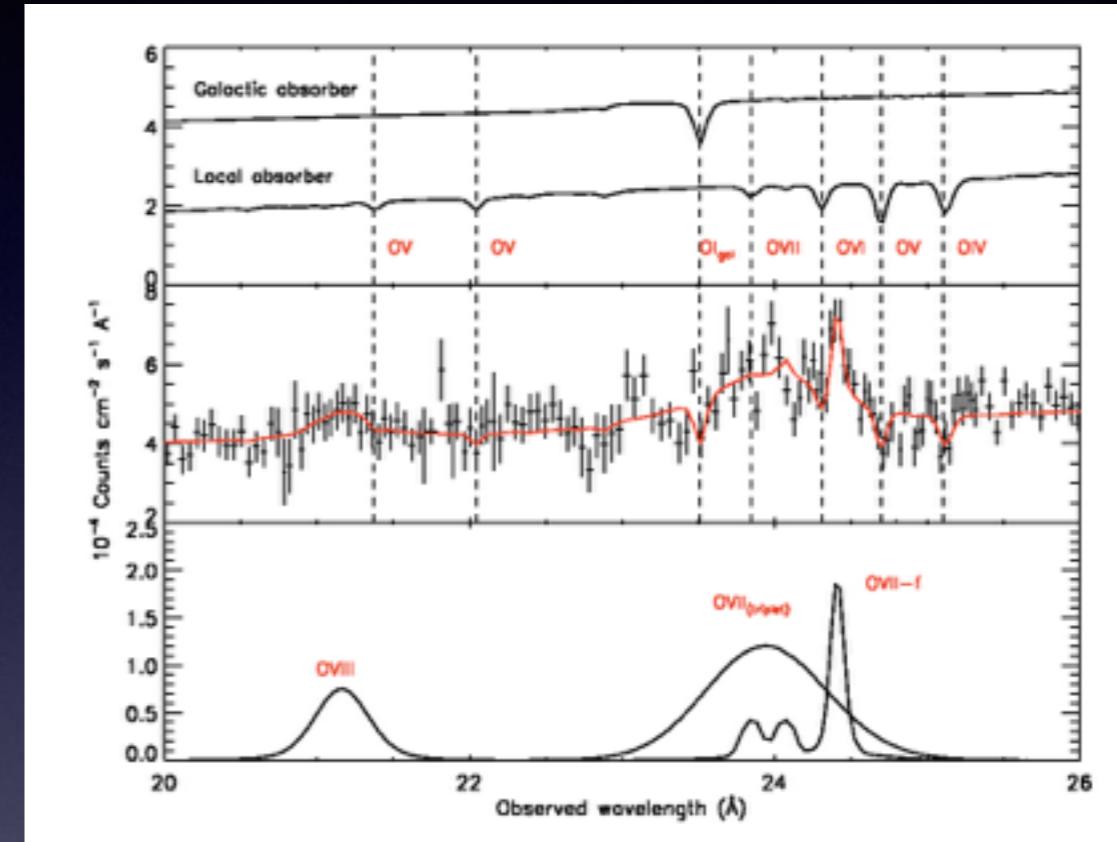
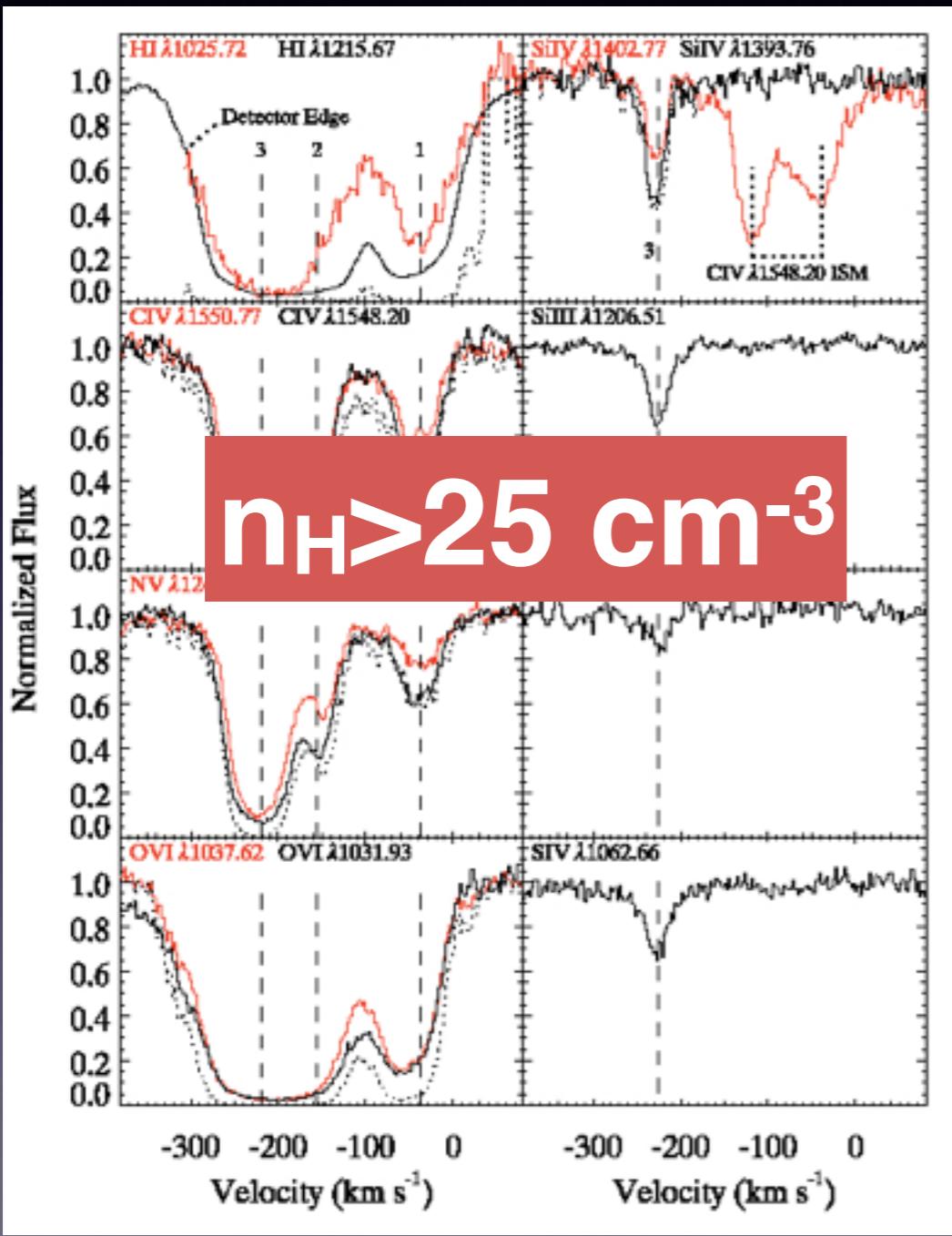


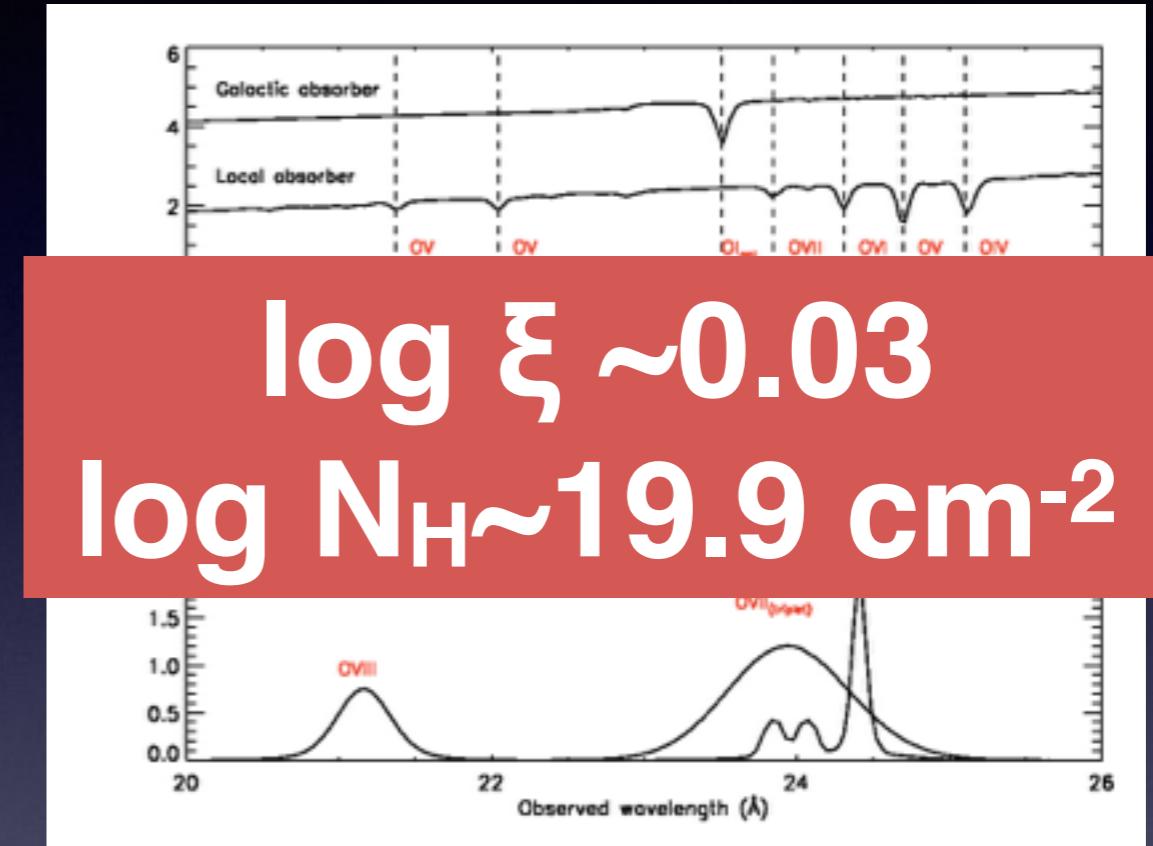
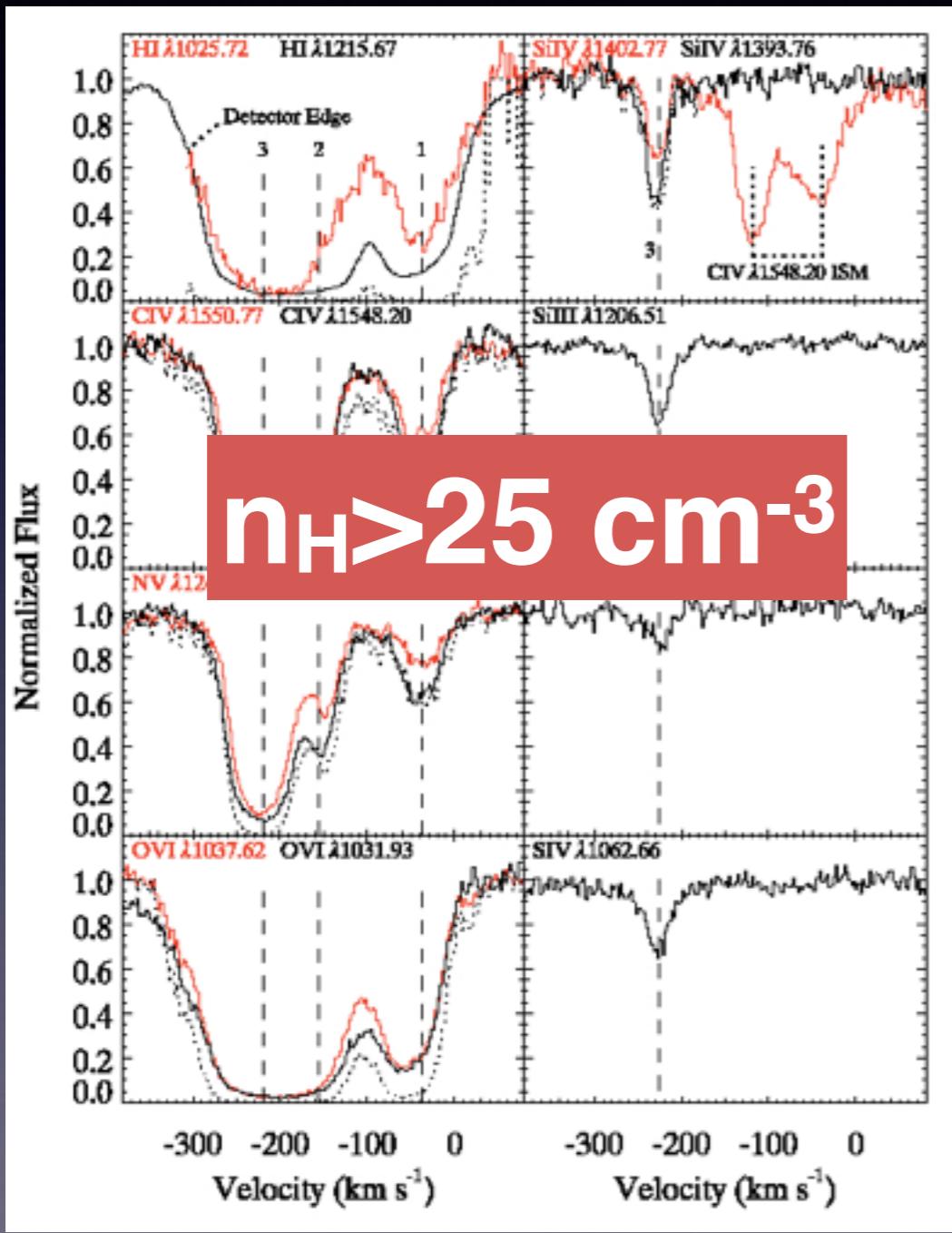
Di Gesu L. Costantini E., Piconcelli, E. et al.

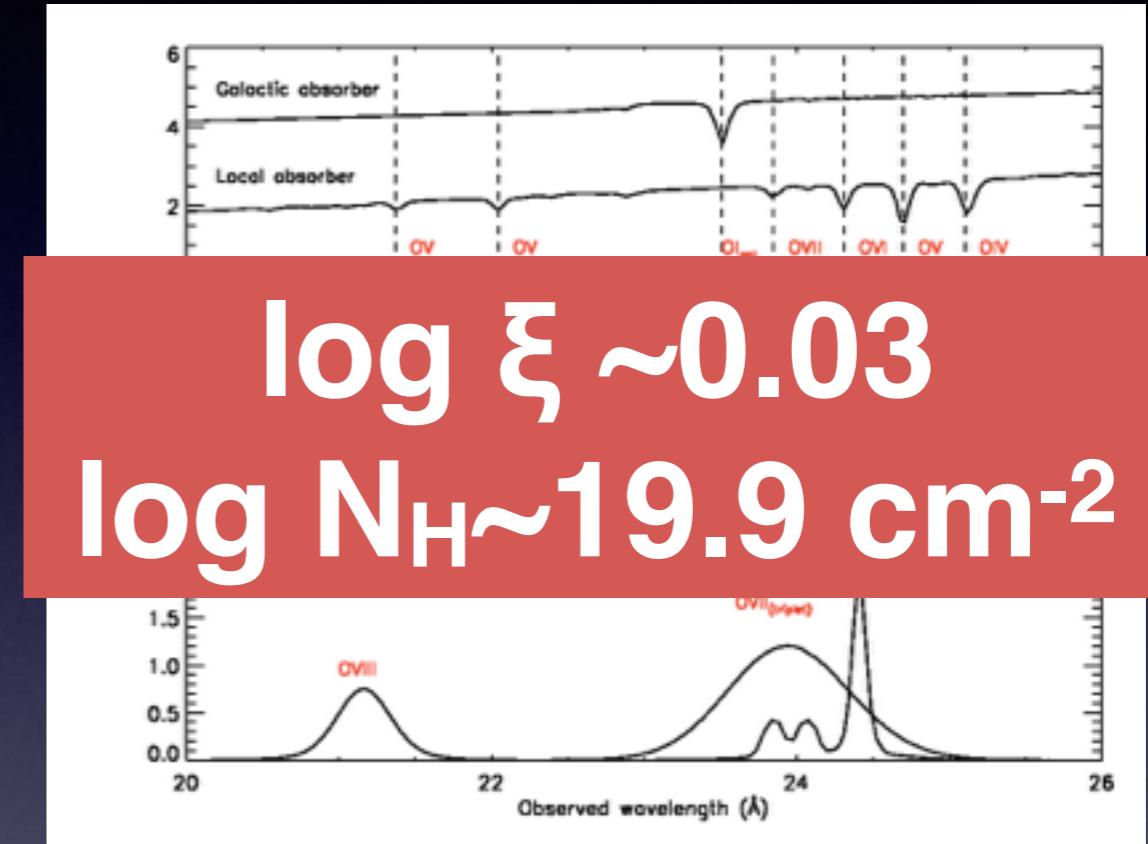
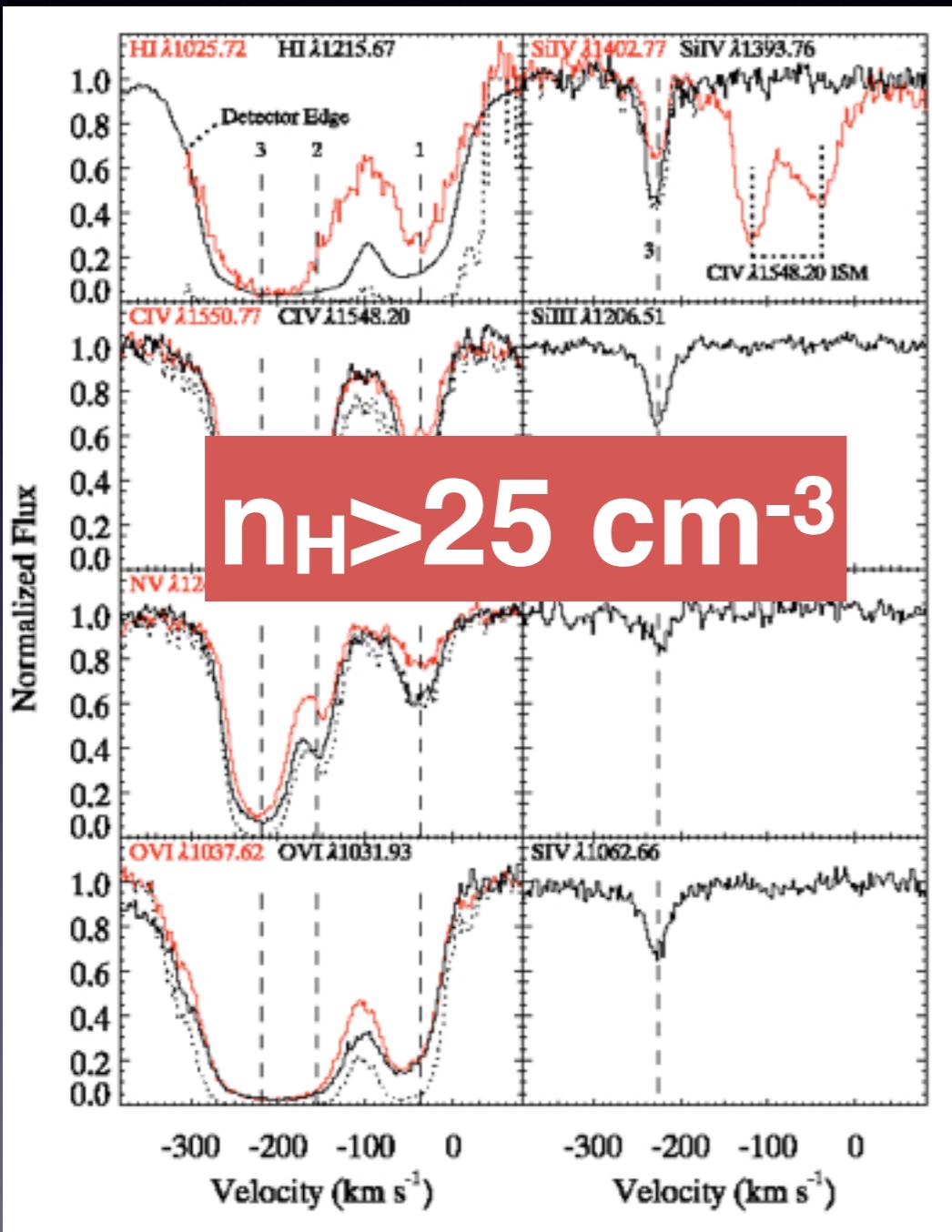
The galactic outflow: [O III]





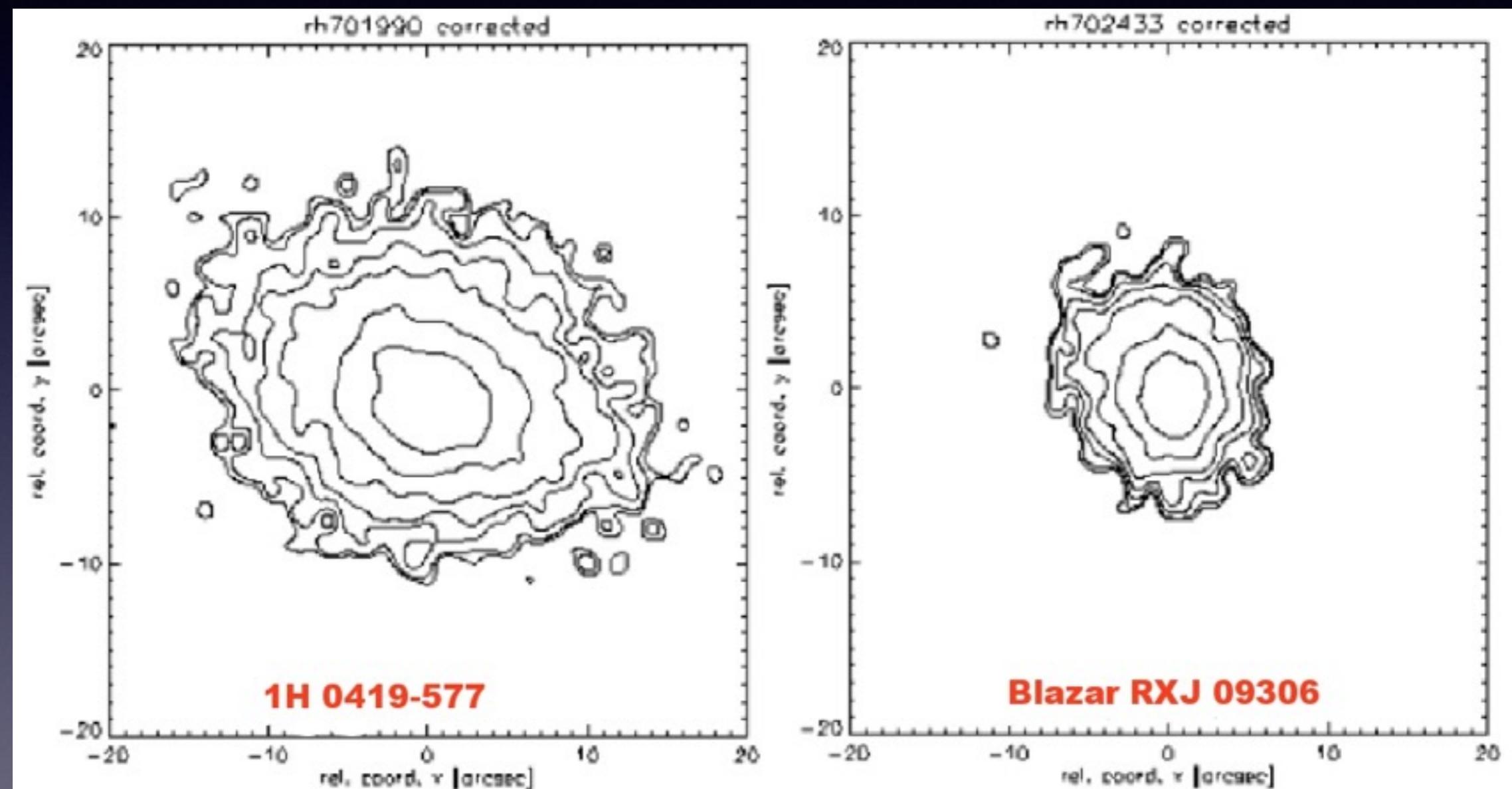






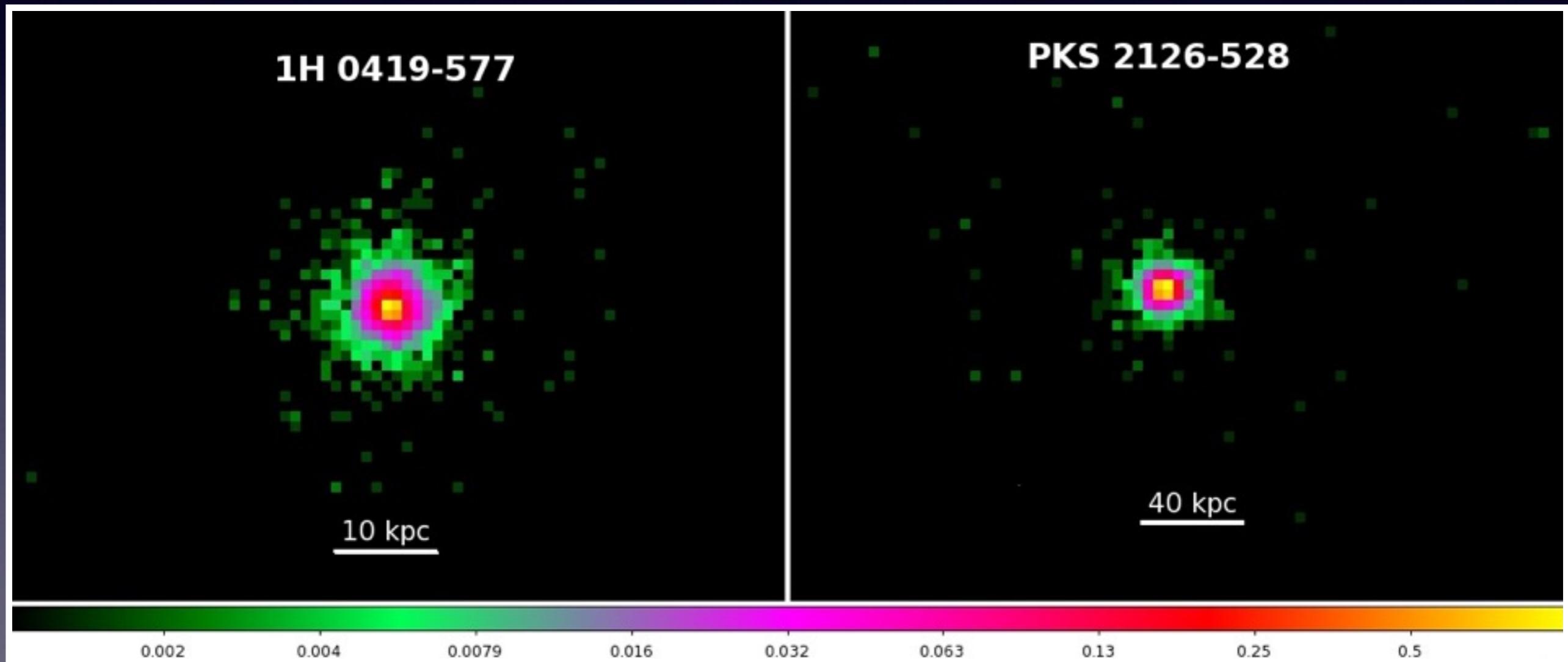
$$d \geq \sqrt{\frac{L_{\text{ion}}}{n_{\text{H}} \xi}} \approx 4 \text{ kpc}$$

Extended X-ray emission: ROSAT



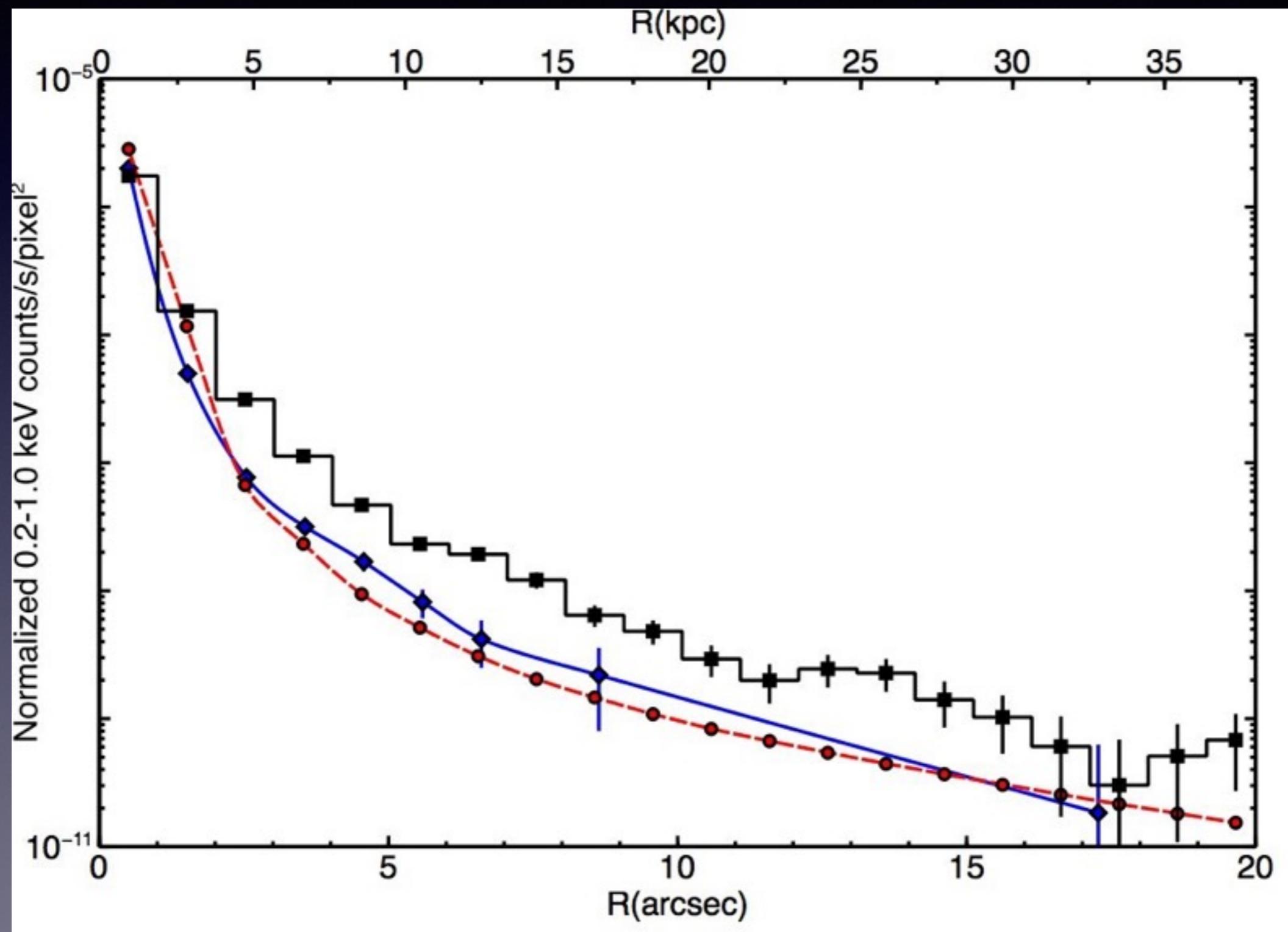
Predhel&Prieto 2001

Extended X-ray emission: Chandra-ACIS

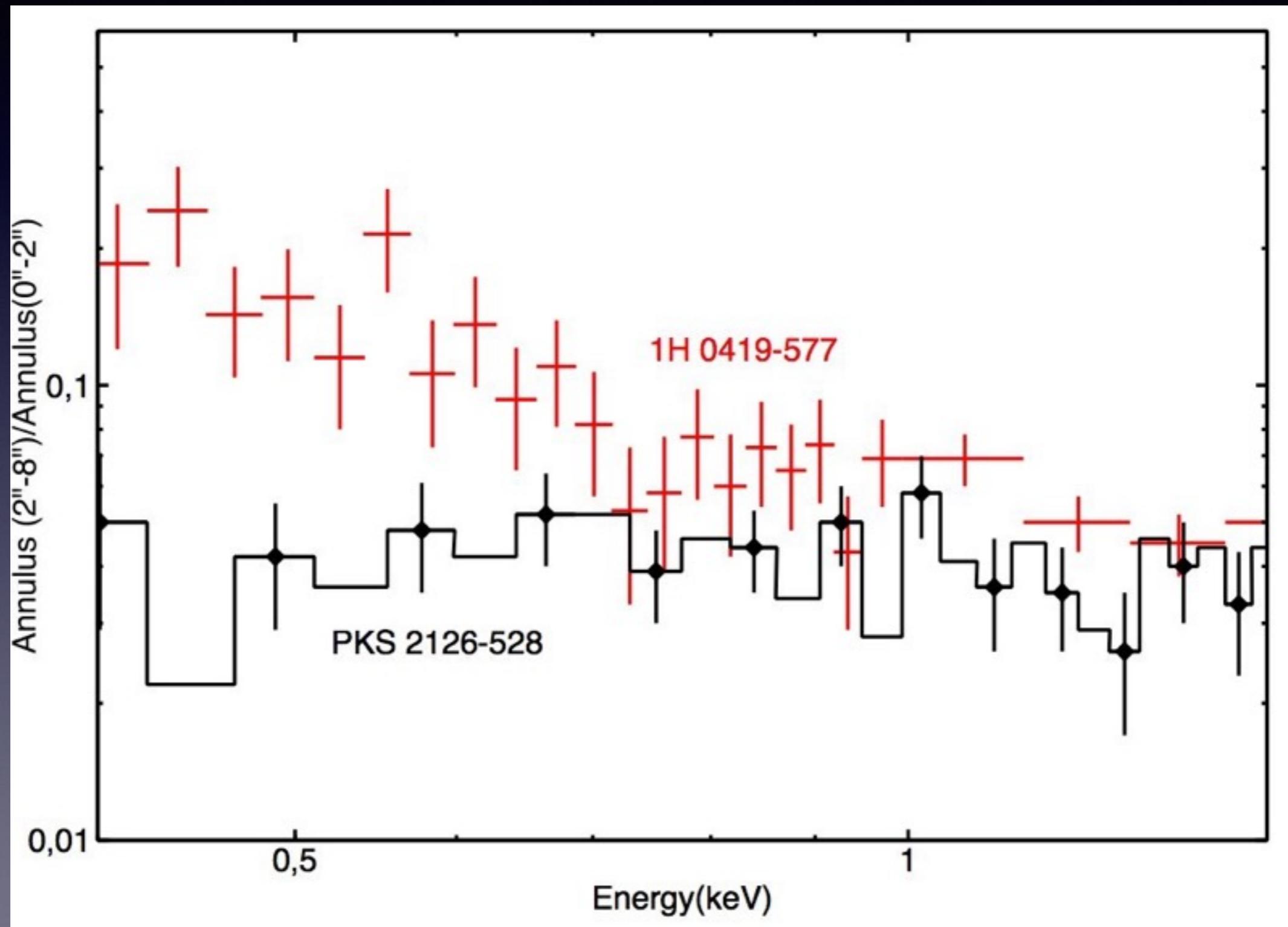


Di Gesu et al. (to be submitted)

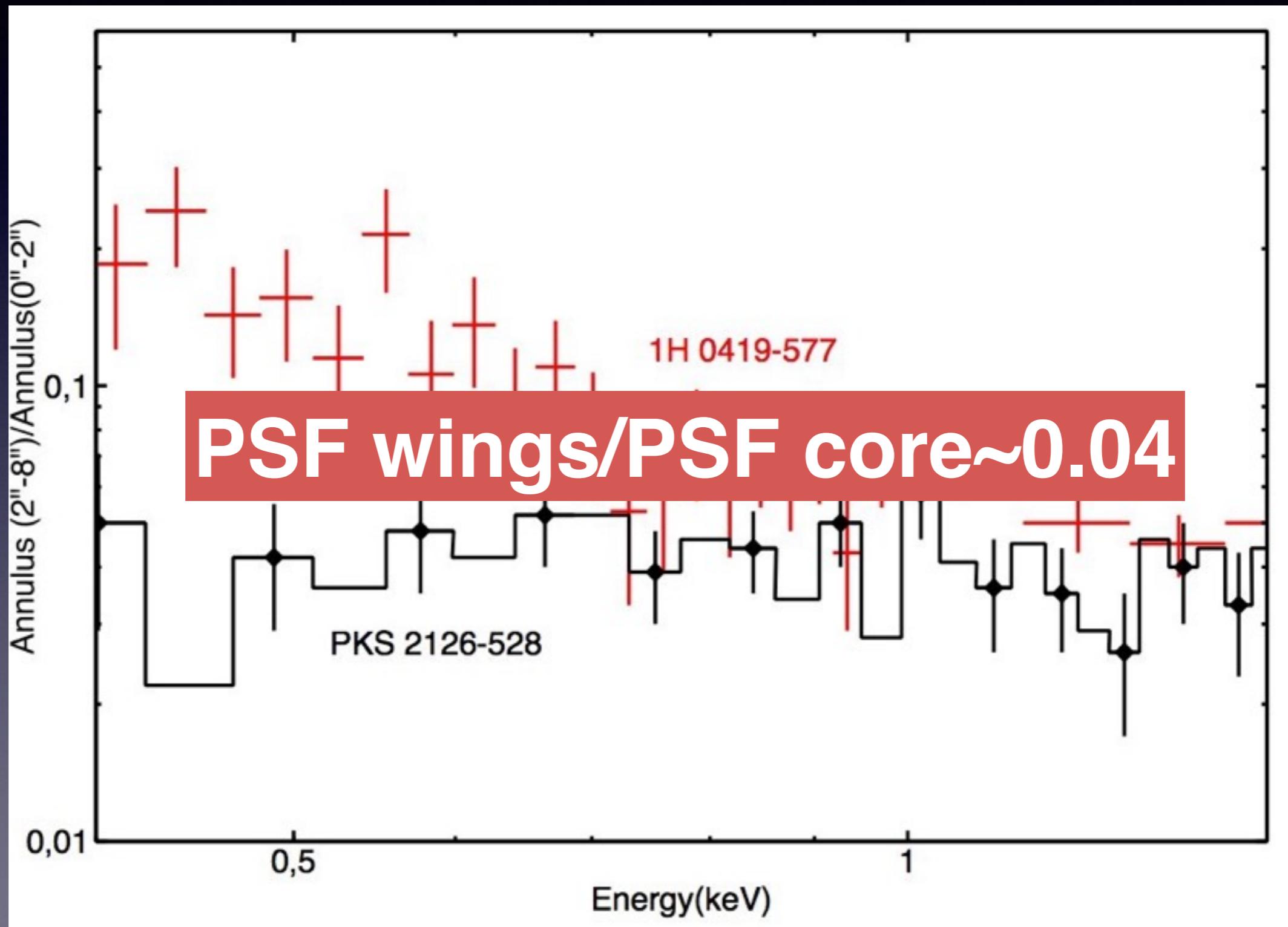
Surface brightness profile



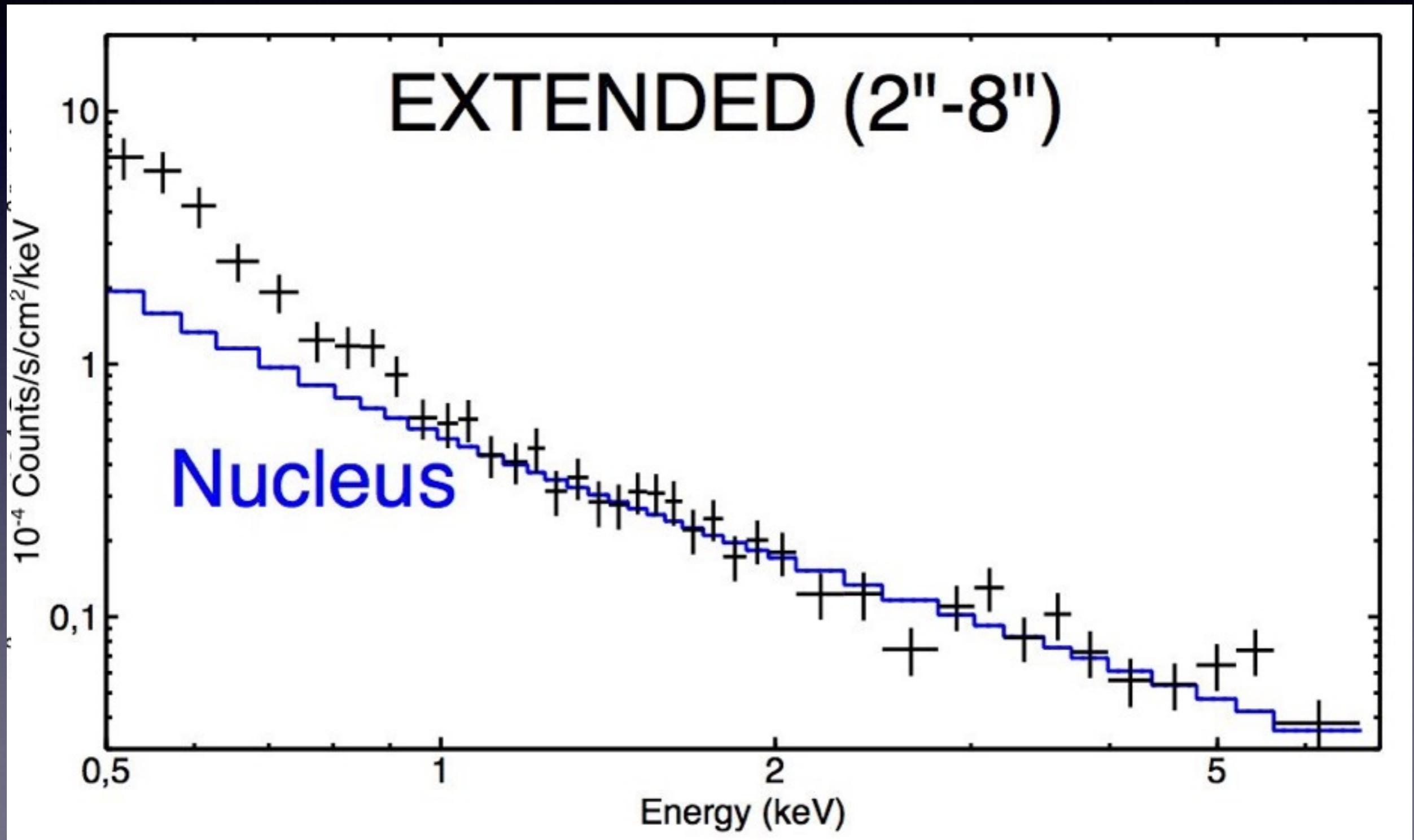
Spectrum



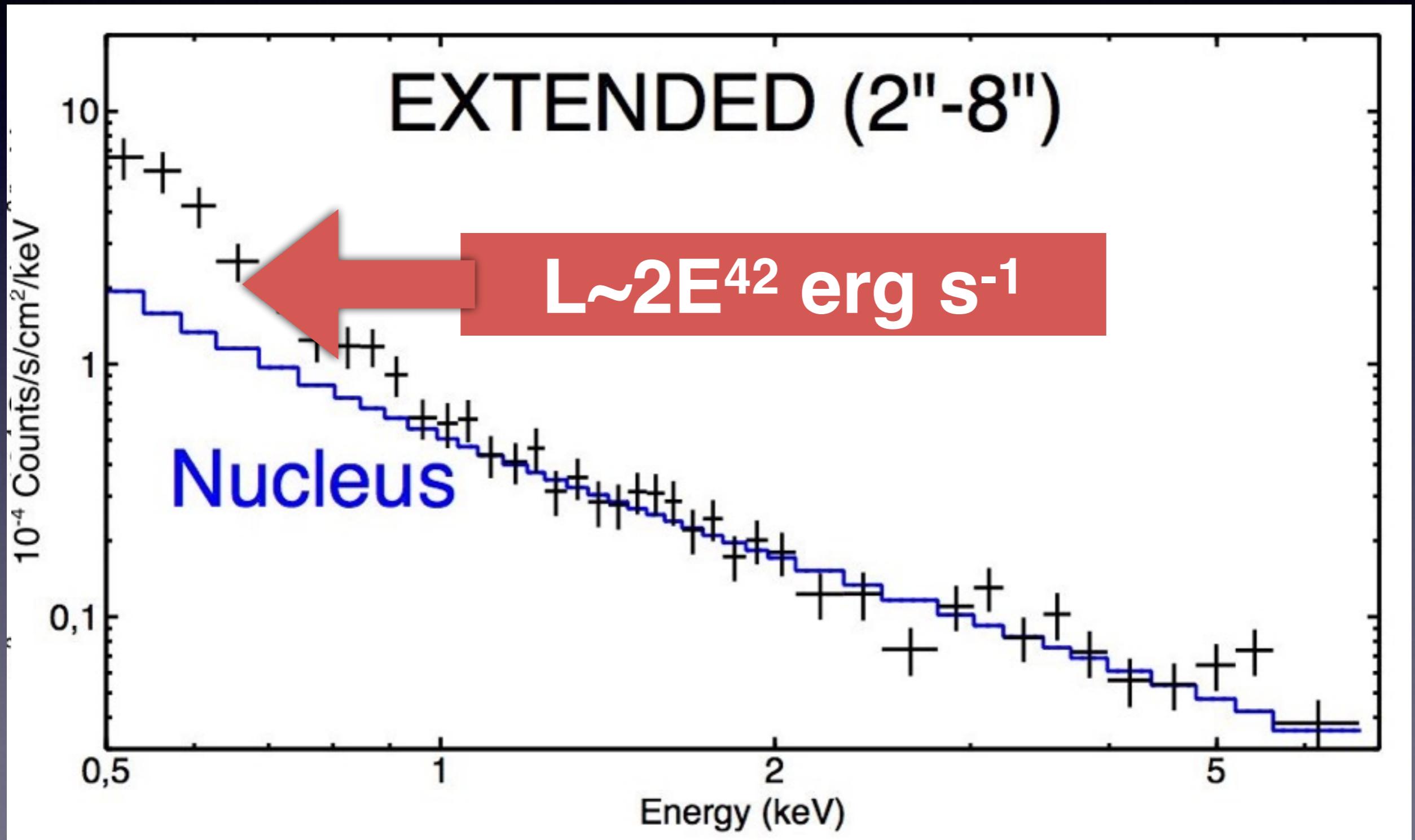
Spectrum

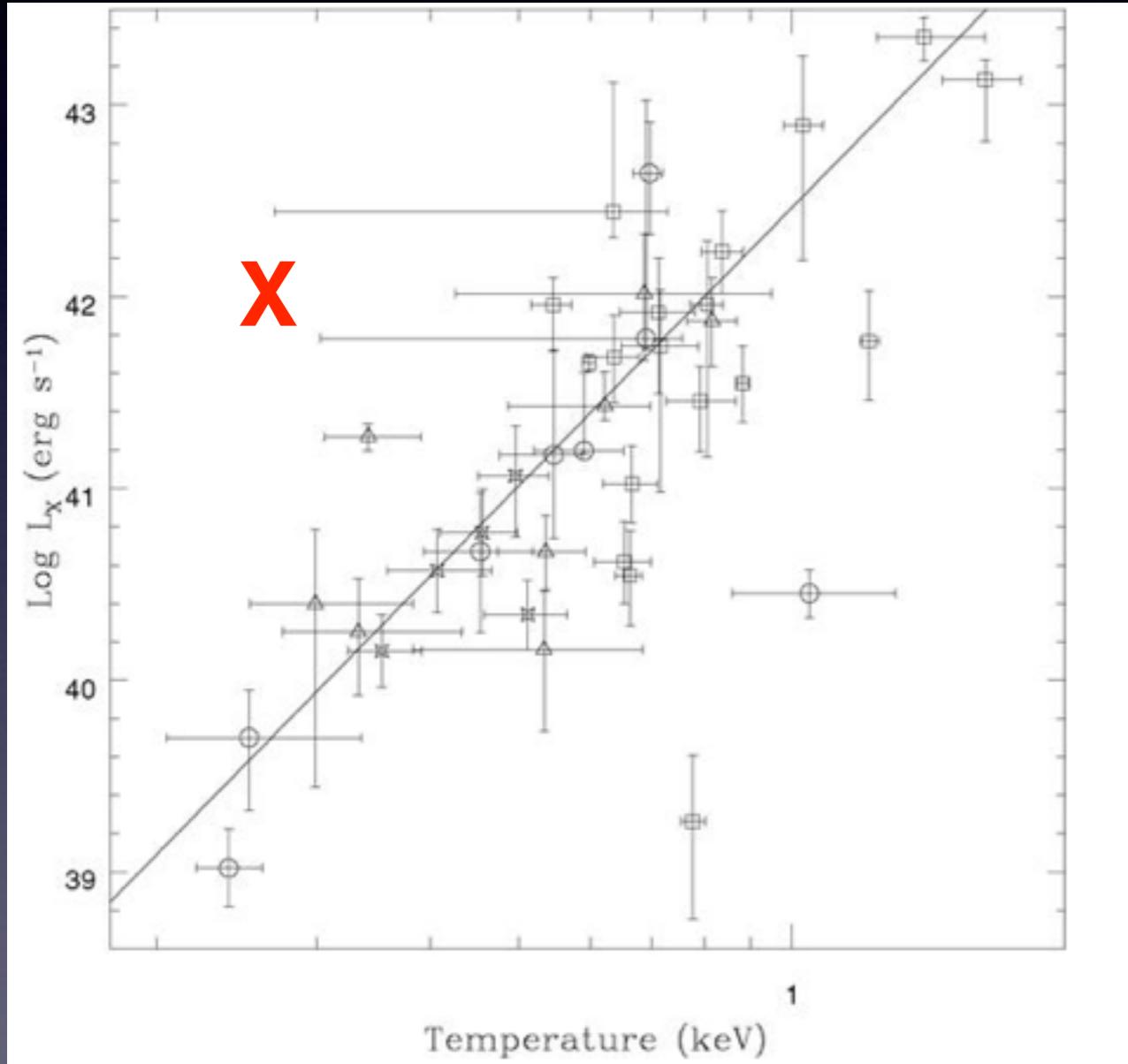


Modeling the nuclear contamination



Modeling the nuclear contamination





due to the X-ray halo

due to the starburst

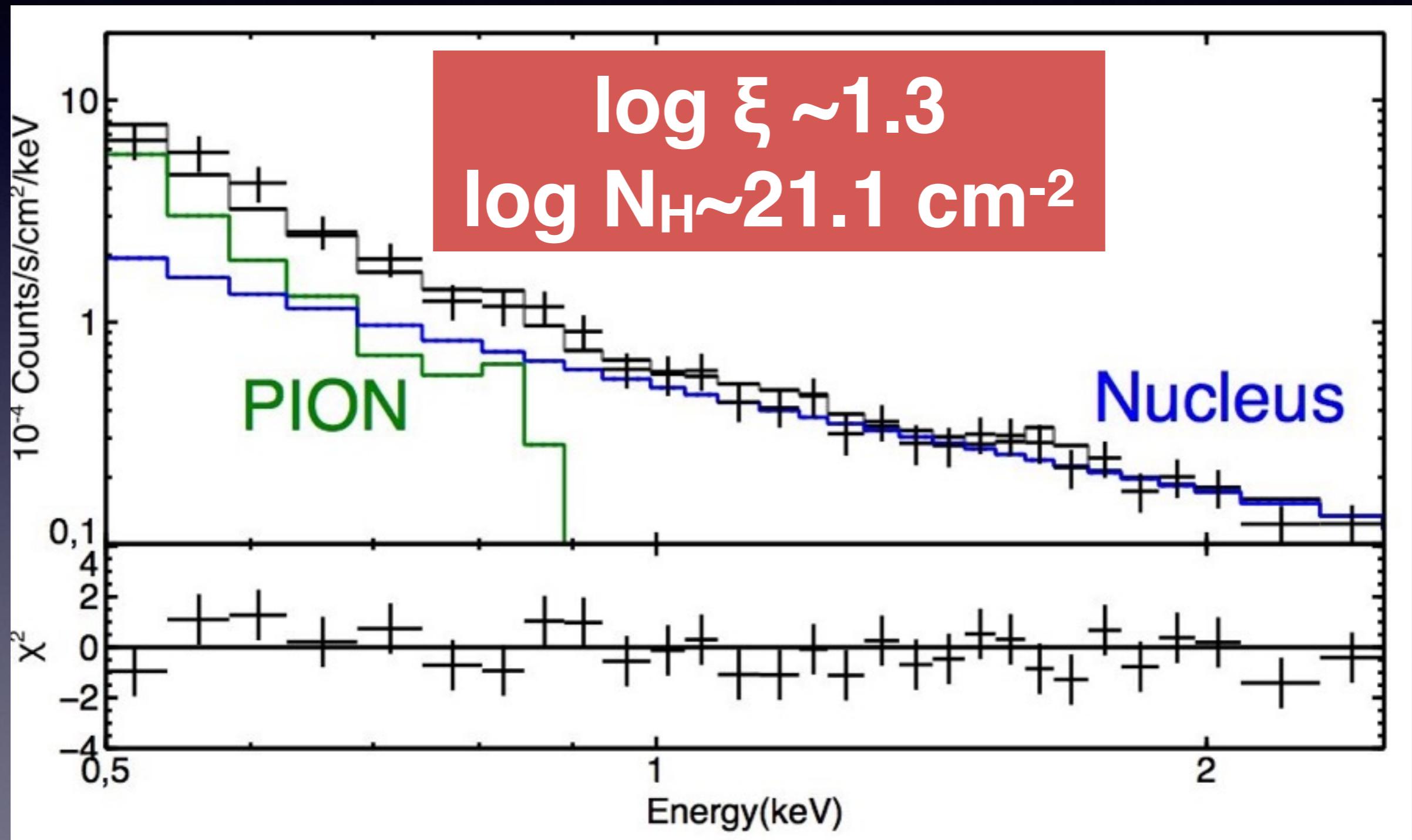
SFR < 70 M_{sol}/yr



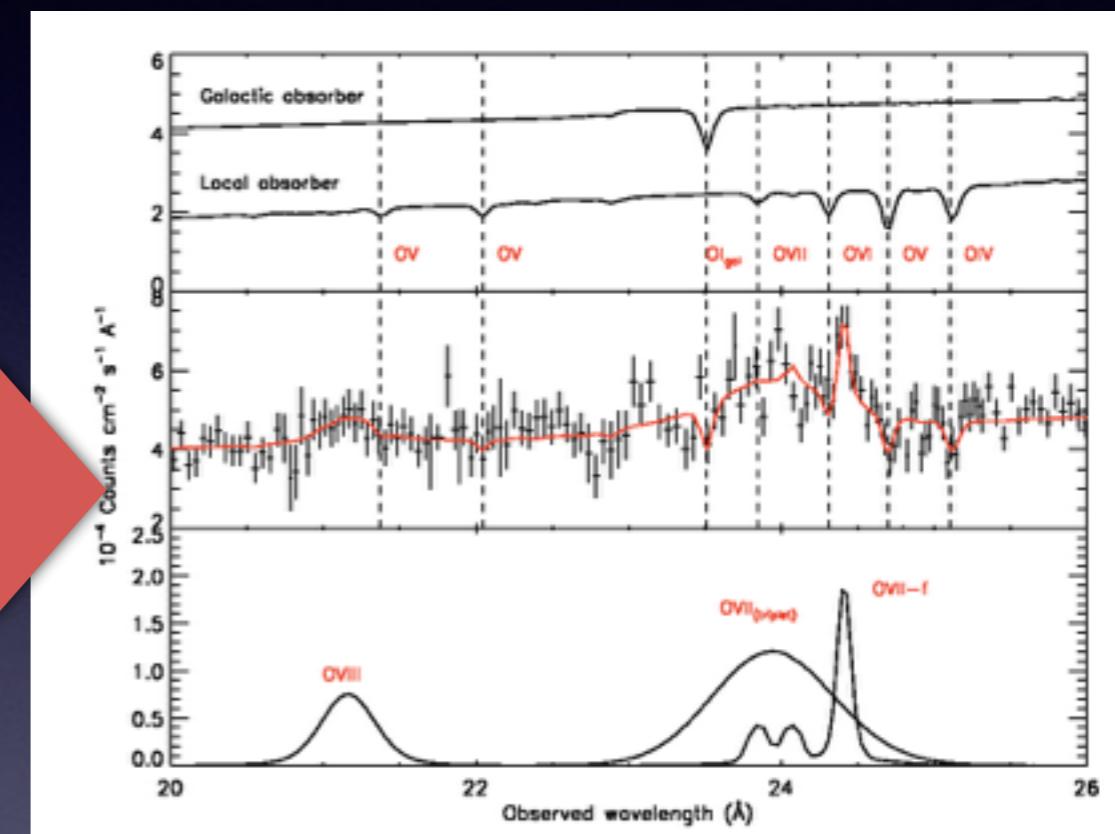
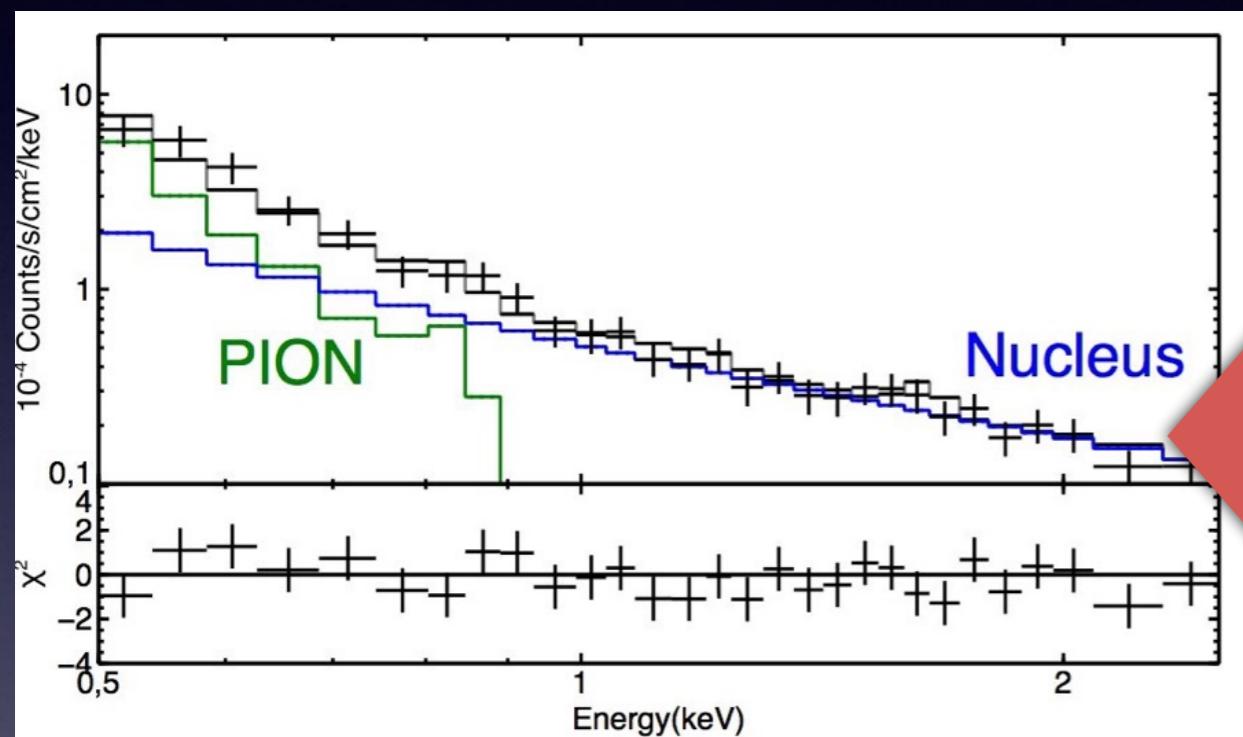
Ranalli 2003

$L_{x,SFR} < 3 \times 10^{41}$ ergs s $^{-1}$

Photoionized Nebula



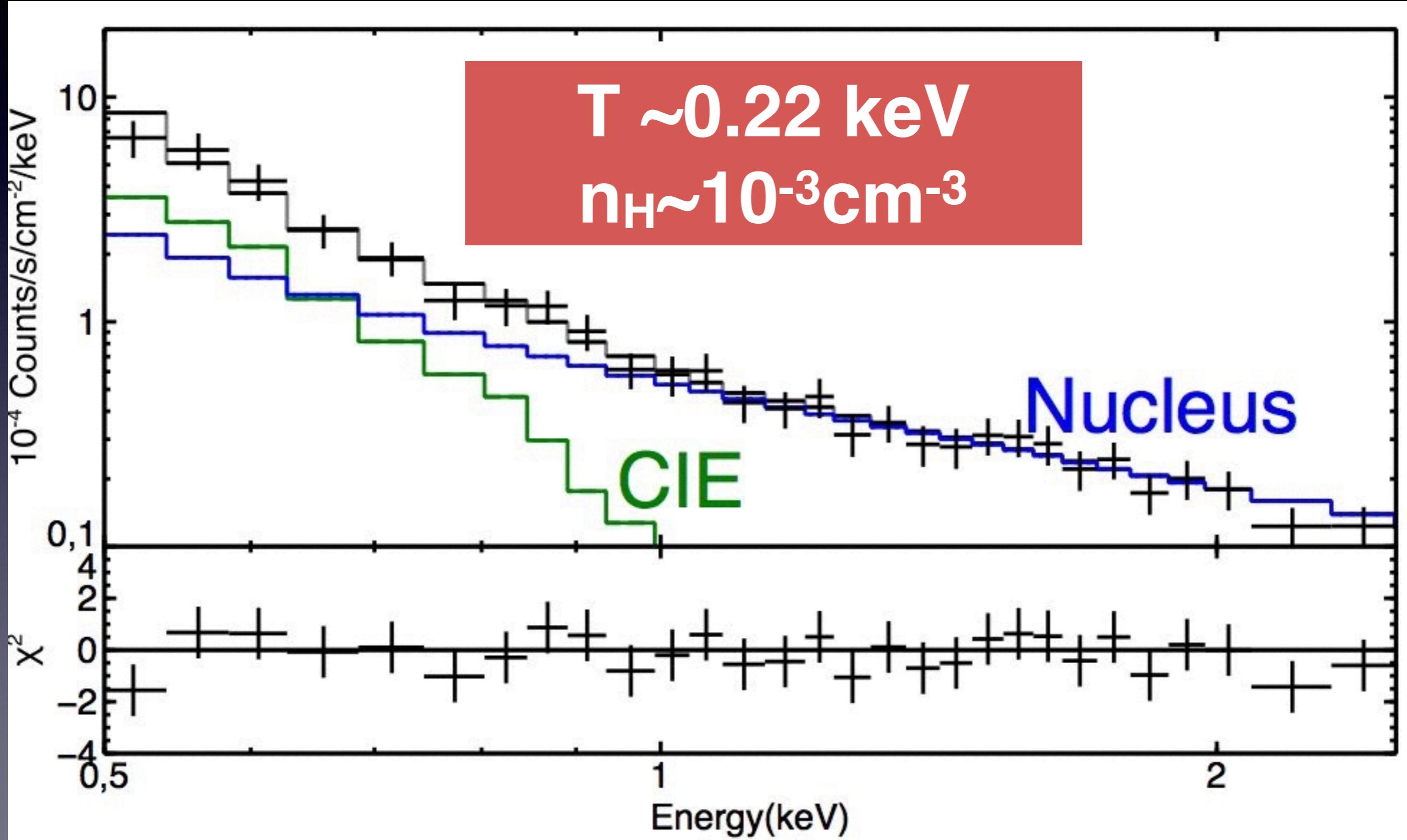
No connection with the WA



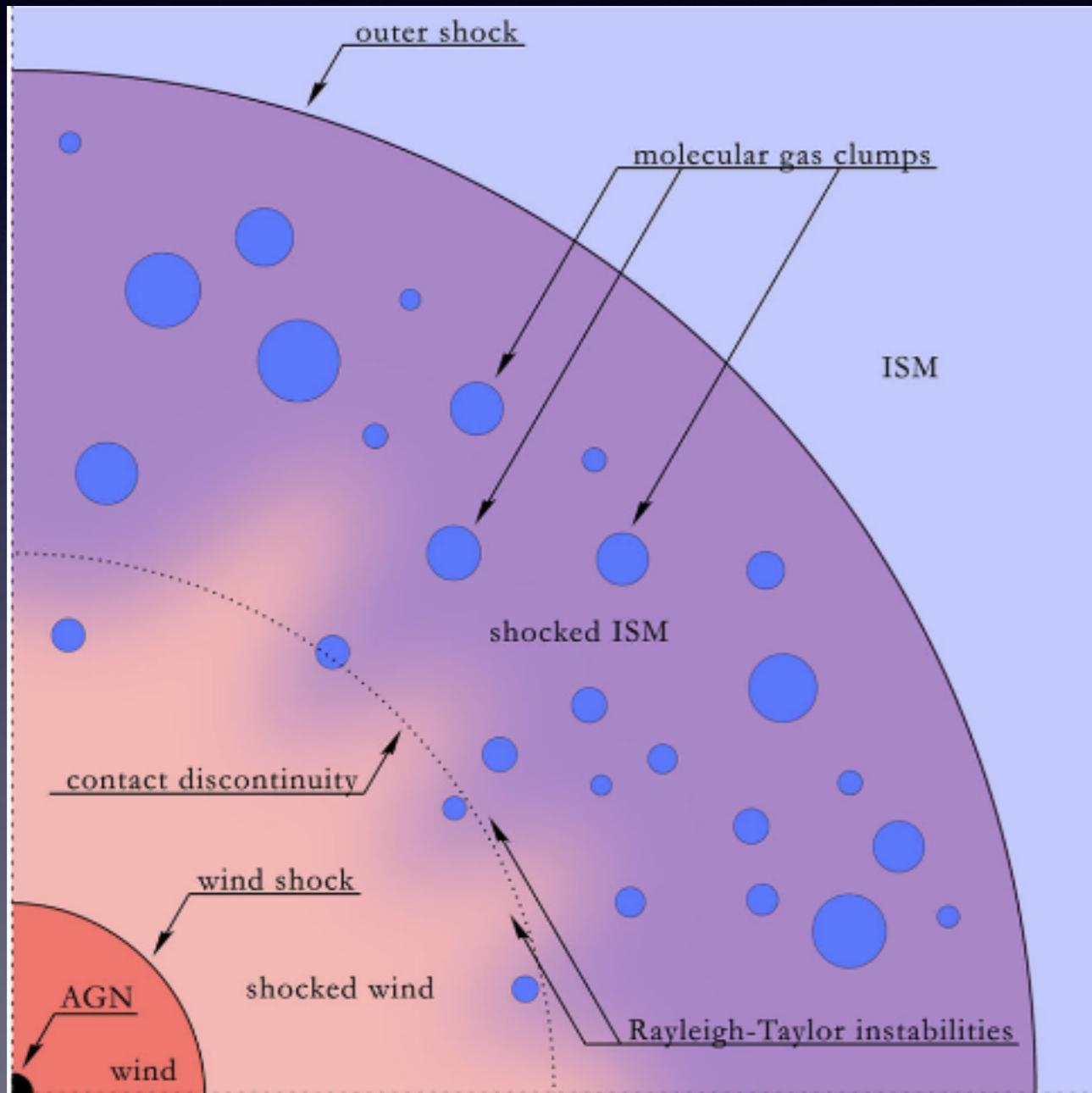
$\log \xi \sim 1.3$
 $\log N_H \sim 21.1 \text{ cm}^{-2}$

$\log \xi \sim 0.03$
 $\log N_H \sim 19.9 \text{ cm}^{-2}$

Shocked gas



Cooling of a shocked wind bubble



...but see also
e.g.
Costa+15
Liu+13

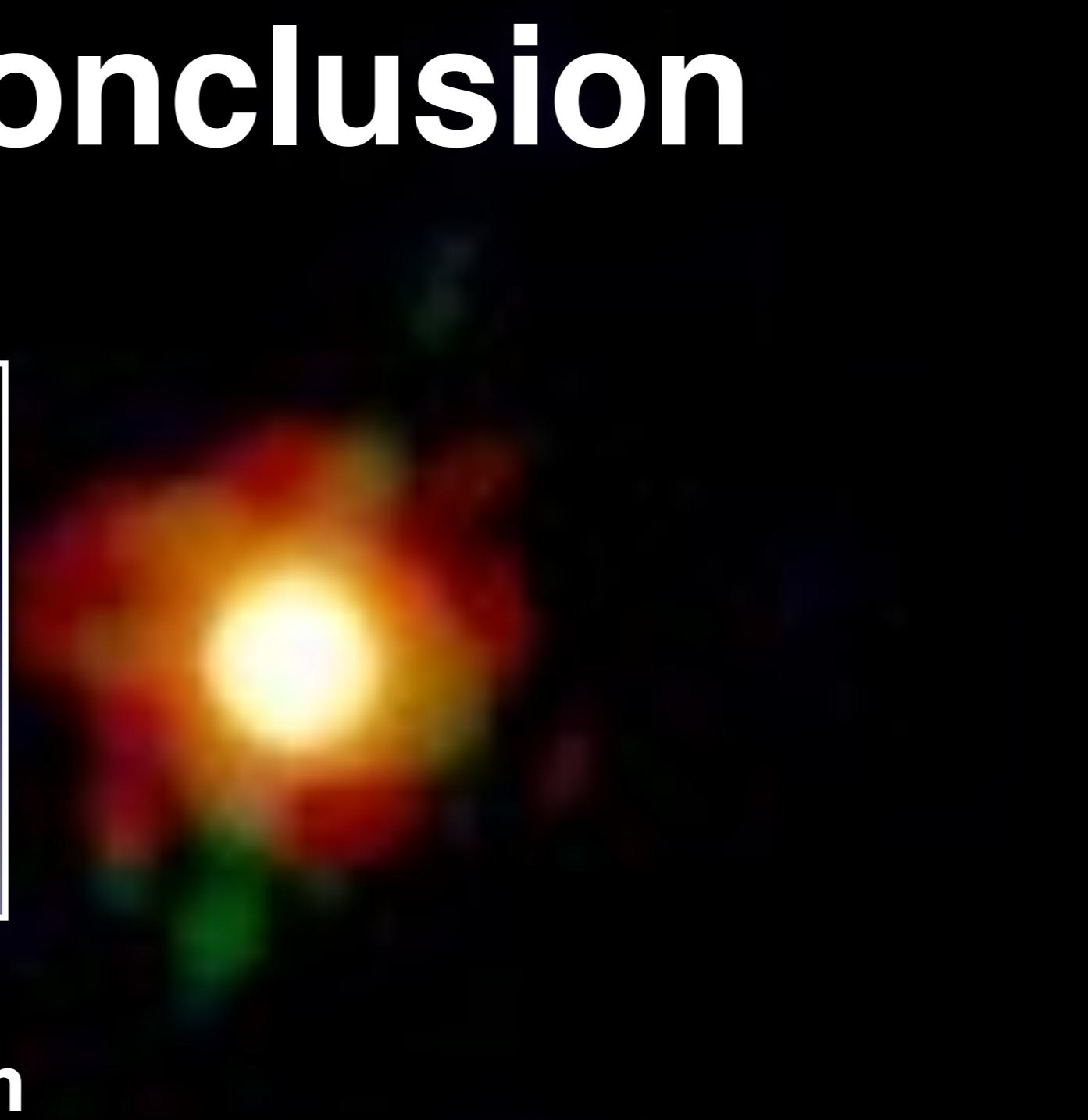
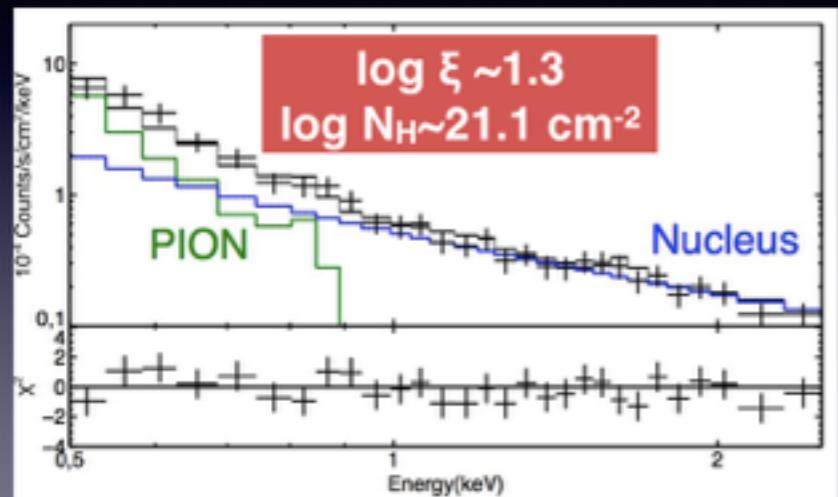
Conclusion



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Conclusion

Photoionized Nebula

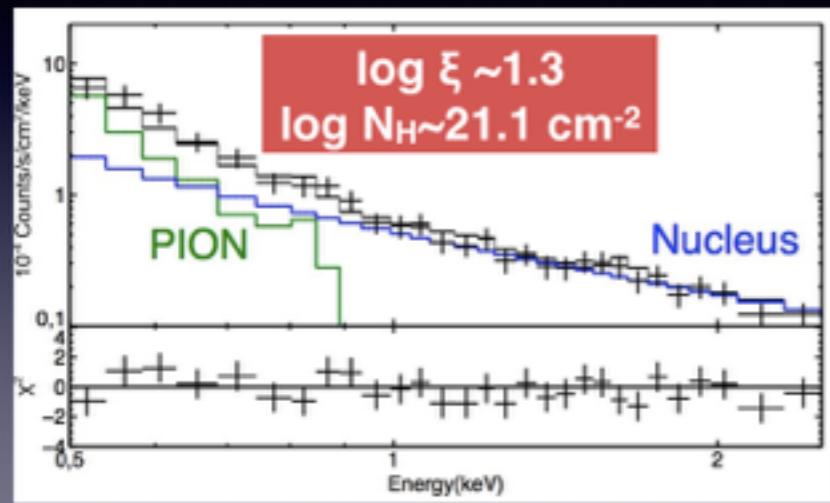


different from
photoionized absorber

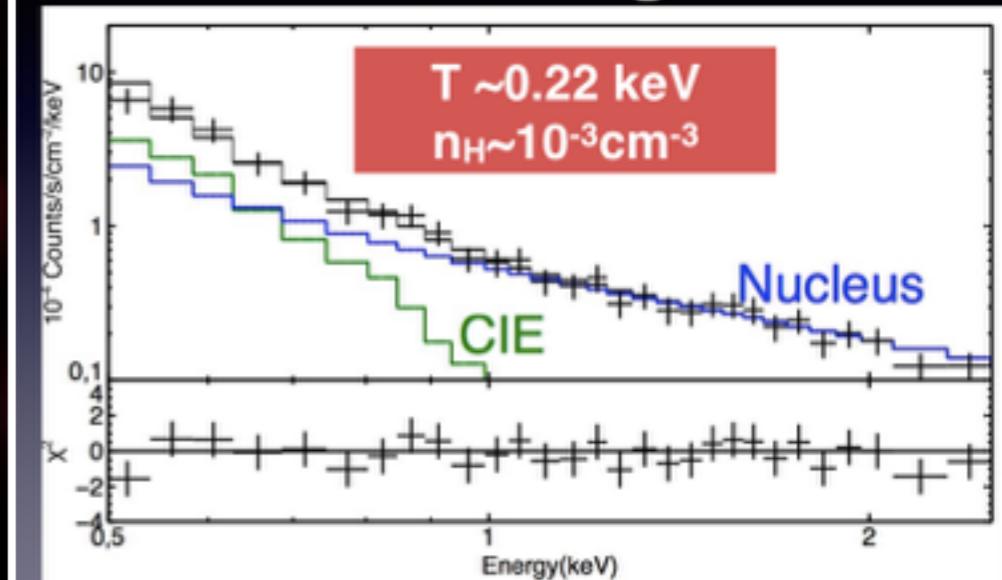
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Conclusion

Photoionized Nebula



Shocked gas



different from
photoionized absorber

associated w
wind bubb