

Ay190 – Worksheet 1
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Today, we are making reference to O'Connor & Ott's paper on the progenitor dependence of the pre-explosion neutrino emission in core-collapse supernovae [1].

Cygnus X-1 is pretty cool [2].

References

- [1] E. O'Connor and C. D. Ott. The Progenitor Dependence of the Pre-explosion Neutrino Emission in Core-collapse Supernovae. *Astrophys. J.*, 762:126, 2013.
- [2] S. L. Shapiro, A. P. Lightman, and D. M. Eardley. A two-temperature accretion disk model for Cygnus X-1 - Structure and spectrum. *Astrophys. J.*, 204:187–199, February 1976.