

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]. We are also making reference to Di Cintio et al's paper about the dependence of dark matter profiles on the stellar-to-halo mass ratio for galaxies [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] A. Di Cintio, C. B. Brook, A. V. Macciò, G. S. Stinson, A. Knebe, A. A. Dutton, and J. Wadsley. The dependence of dark matter profiles on the stellar-to-halo mass ratio: a prediction for cusps versus cores. *Mon. Not. Roy. Astron. Soc.*, 437:415–423, January 2014.