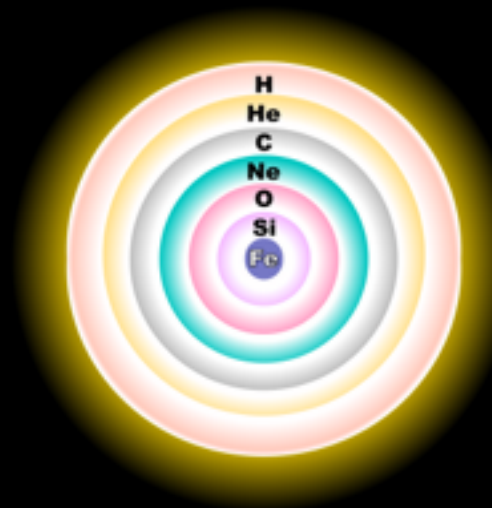
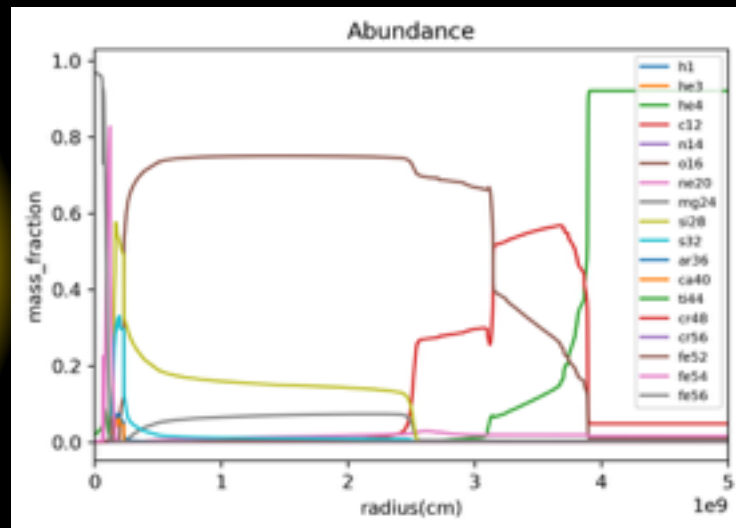


Mixing of the first supernovae metals

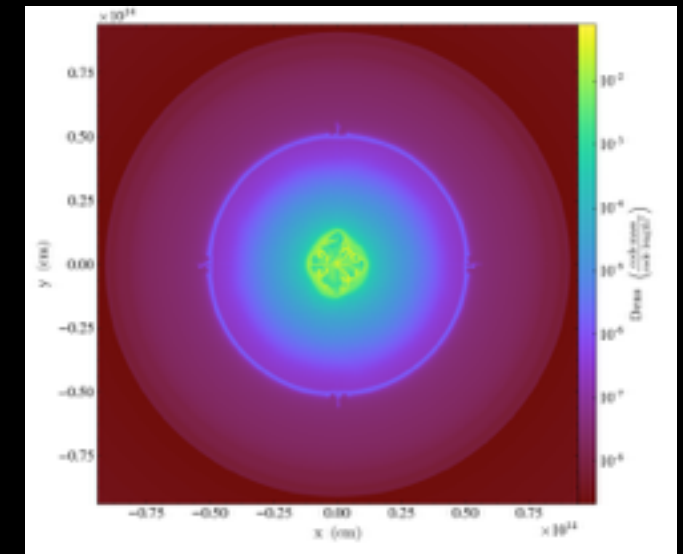
Chia-Jung Hsu, Ke-Jung Chen, Dan Whalen, Jonathan Tan



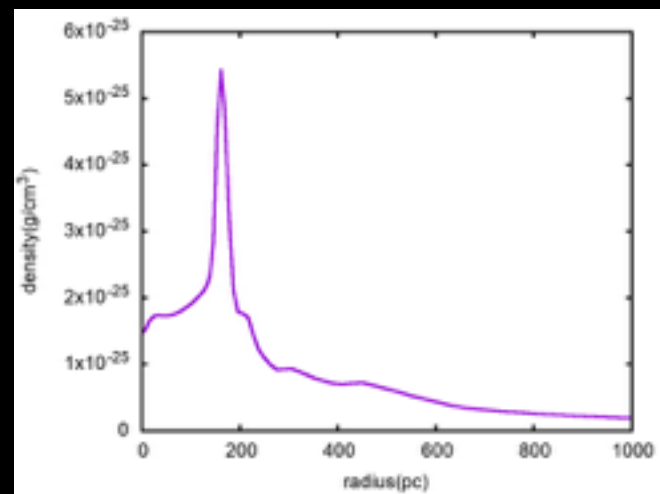
© R. J. Hall



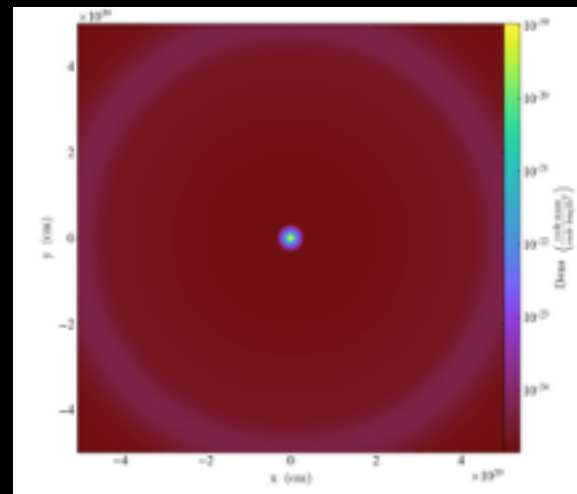
supernova
explosion
 10^{51} erg



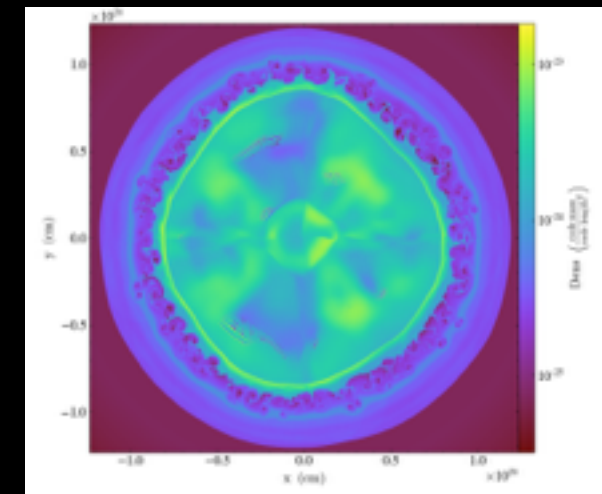
15 solar-mass star
radiative feedback



10^6 solar-mass halo



$t=7500$ s



$t=5 \times 10^{12}$ s