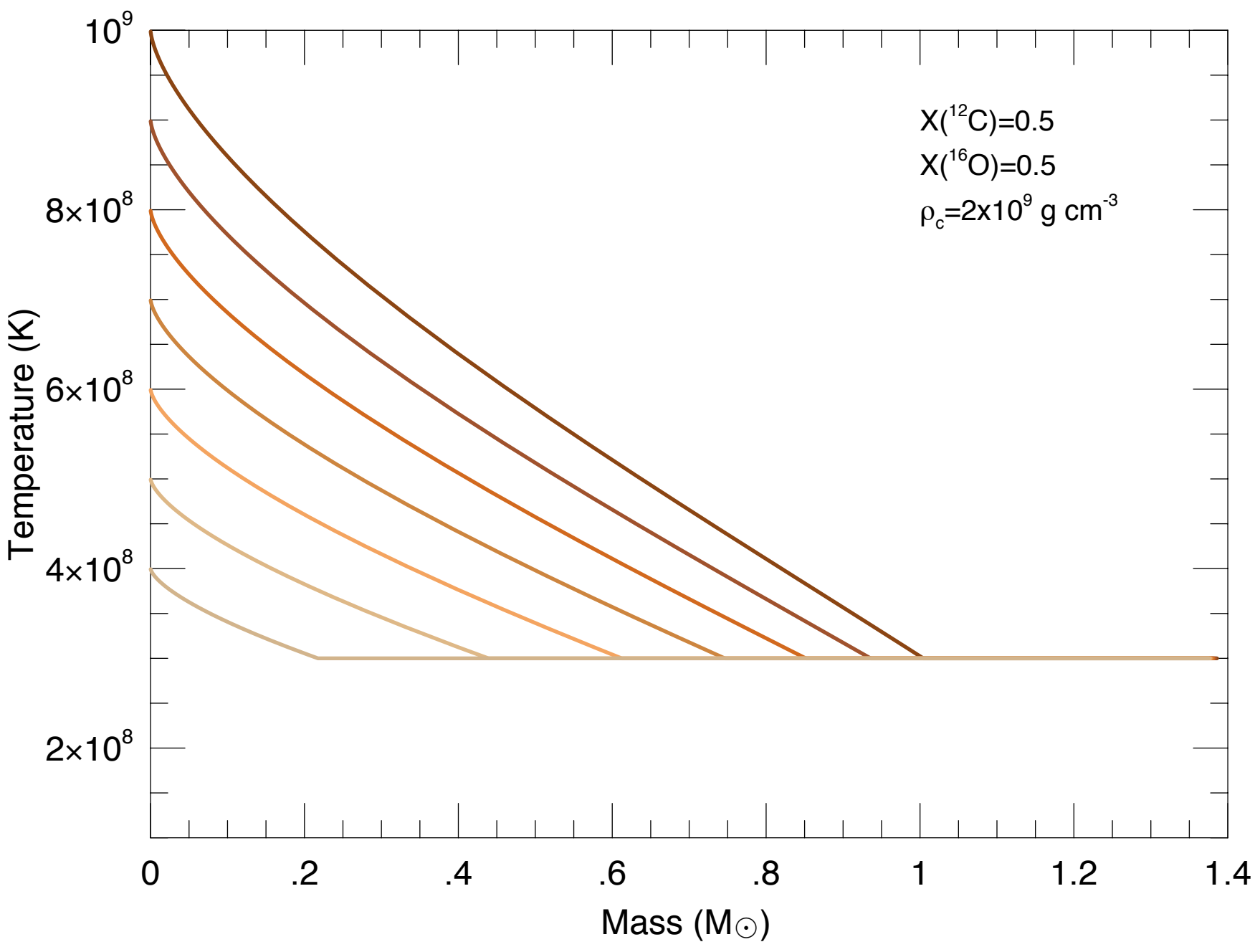
$10^9$
$8\times10^8$
$6\times10^8$
$4\times10^8$
$2\times10^8$
Temperature (K)
$X(^{12}C)=0.5$
$X(^{16}O)=0.5$
$\rho_c=2x10^9$ g cm$^{-3}$
0
.2
.4
.6
.8
1
1.2
1.4
Mass ($M_\odot$)