

Timeline – Freek Temming

April - During the first meeting, I will learn how MESA simulations work and be provided with two models to compare. During this month, I will look into the MESA plotting tools and also develop some script to study certain diagnostics of the models. In April, I set up a github or similar where I can put my research files and notes. I will write brief weekly logs or reports during the whole project.

May - Once the diagnostics explore two models in great detail, we will move on to studying a small grid in mass and metallicity (perhaps in rotation) space. This means that I will have a number of models to look for some more systematics.

June - The focus should be on drawing relevant conclusions and interpreting the comparisons. If time allows, we may look into models that extend towards the Red Supergiant phase.