AST4310 - Obligatory Exercise 1  
Stellar Spectra A: Basic Line Formation

- The pdf of the exercise and python instructions can be found through the AST4310 course website.
- The deadline for handing in the report is: Friday 22 September 2017.
- Ignore Sections 1.1 and 1.2.
- You may write your code in either IDL or python.
- Split your report in two parts: (1) a detailed report on Chapter 2 ("Cecilia Payne") and (2) a more figure based report on Chapter 3 "Marcel Minnaert". The reports should be written in Latex. Study Rob Rutten’s Latex instructions that are linked on the AST4310 course website.
- The detailed report on Chapter 2 should follow the standard form of having an introduction with background, a main body that presents the work, and a discussion and conclusion section. The SSA exercise instructions follows a sequence of bullet points that guides you through the exercise. The report does not need to closely follow these bullet points and answer all questions but it should include all figures. All figures should have proper axis labels and a caption that briefly describes the content of the figure. More detailed discussion should be in the main text. All figures need to be referred to in the main text.
- The detailed report on Chapter 2 will be reviewed on layout, style and language. Use a spellchecker to avoid spelling mistakes and typo’s.
- The report on Chapter 3 should mainly focus on the figures. The caption can describe in detail what is shown in the figure.