# Objective – 1-2 paragraphs

Topic: combine data from multiple telescopes to extract the temperature, mass and luminosity of the star forming region

Project:

We will perform photometry on the a few of the clumps to extract the fluxes. Generally, the flux extraction is done via computer algorithms (i.e. CuTex (Molinary et al. 2011) & Fellwalker (Berry 2015)). For the data available for this project the flux extraction is already performed, however, the photometry will help us to understand the depth of the work done by previous studies.

Then, we will move on to the SED fitting part and perform the SED fitting for the assigned clumps. Given the presence of data at different waveband (see Fig 1) the SED fitting result will extract the physical condition of the star forming region

# Theory section

# Solution – 1-2 pages

## Work packages

How long?

What materials?

What is the outcome?

# SWOT – strengths, weaknesses, opportunities, threats

Strengths – what do we have here that allow this project to go well, i.e. Kianoosh, my skills, algorithm already written, flux already extracted

Weaknesses – things we’re lacking, i.e. my skills, unfamiliar with IDL, didn’t write algorithm, algorithm was written for linux – needs to be modified for windows

Opportunities – things that might help the project that might come externally, like you could work together on something – but there might not be any in this case. Could also be where to go next with the project

Threats – things that might screw the whole thing up