# Questions to answer before the workshop

In consultation with your supervisor, consider the following:

## Project goals

Honours students often only manage to achieve about 30% of their original goals. Given that your goals will likely change, plan ahead:

* + What are your ideal project goals?
    - Main goals?
      * How will you achieve these goals? What methods?
    - Sub-goals?
      * How will you achieve these goals? What methods?
    - How long will each of these goals/methods take to achieve?
  + If you experience delays, what will be your revised goals?
    - Main goals?
      * How will you achieve these goals? What methods?
    - Sub-goals?
      * How will you achieve these goals? What methods?
    - How long will each of these goals/methods take to achieve?
  + What are the bare minimum goals that you want to achieve?
    - Main goals?
      * How will you achieve these goals? What methods?
    - Sub-goals?
      * How will you achieve these goals? What methods?

## Equipment

* + What equipment will you need to use?
    - CAESAR, data acquisition system, 14UD accelerator
  + If you need training in the equipment, when will you receive that training?
    - Radiation training: done
    - On the job training: continuous
  + When will you have access to the equipment?
    - Already do
  + Is there anything that could interfere with your access to that equipment?
    - Tank opening: pump out all SF6, go inside tank, clean and inspect things (the terminal e.g. – check corrosion and so on)
    - Small but finite chance that this will uncover something that means the accelerator needs to be out of action for longer than required otherwise
    - University closing b/c coronavirus (and ScoMo)

## Results

* + What will the results of your project look like (experimental data, numerical simulation results, original theoretical derivations, etc)?
    - Experimental data
      * Level scheme
  + What needs to be done before you can generate results?
  + When will the results be available?
    - Ideally have all data analysed by September, so then.
  + How certain are you?
  + What needs to happen to create or obtain the results?

## Analysis

* + What type and amount of analysis will you need to do?
    - Gamma ray spectroscopy, a fair bit
  + How long will that analysis take?
    - From experiment to results: 3-4 months (ballpark)

## Thesis

* + Reading – how much do you need to do, and how often?
    - As much as you can, and frequently
  + Writing – when will you write, send for feedback, revise, send for feedback again, and finalise each chapter of the thesis?
    - Little and often, with actual thesis writing as soon as possible and also often
    - Note: amount of time AJ has for reading is directly related to quality of feedback that will be given

## Supervisor

* + Are there any dates when your supervisor will be unavailable in 2020?
    - America trip in August? TBD.
  + How often and when is your supervisor available to meet?
  + Is your supervisor in favour of drop in meetings or arranged times?
    - Both – having both as an option is good
  + If you miss a meeting, will you have a catch-up meeting? A phone call? An email? Postpone the meeting until next time?
    - A catch-up will happen inevitably
  + Is your supervisor willing to answer questions via emails? Do they have limits, e.g. won’t reply after business hours, maximum number of emails per week, prefer face to face?
  + How many drafts is your supervisor willing to read?
    - Depends
    - AJ is happy to do back and forth on stuff as appropriate
  + How long does your supervisor need to give you feedback on a chapter?
    - In short, it depends
    - The longer that can be provided by me, the better
    - First drafts: longer (especially to do it properly)
    - To do it well: a week for a 10-15 page chapter, if it's the first iteration
      * Days for a chapter that is on a successive iteration

## Overall time estimation

* + Given the time factors and constraints, how long will each of your goals/methods above take to achieve?
    - At worst, until 29th October (when the thesis is due)
    - We do what we can between now and then.
    - We have rough outlines for things that need to be done (build CAESAR by May, do experiments in May, analyse data by September, have complete thesis written by 29 October with individual sections reviewed many times before then).
      * Personal goal: have introduction/context etc. done by middle of the year preferably.