

Phys 194–FYRE Final Assignment Final Project

The goal for this project is to come up with a compelling observing proposal for GBT or Arecibo based on what you have learned in the FYRE class. You are to work in pairs. Your assignment will be the observing proposal and a short (15min) presentation to the class. They are due on **Friday, Dec 22, 12:30pm-2:30pm** and are worth 20% of your grade.

The proposal should have:

- Title (compelling title to set your project apart)
- List of authors
- Abstract: 1-paragraph that summarizes everything, including what you want to observe, why you want to observe it, how you will do it, and what you should learn
- Scientific Justification: 2 pages with proper references. This is the motivation for the proposal talking about why this project is exciting, what you want to learn, and what the outcome will be
- Technical Justification: 1 page that goes into calculations about which sources you want to observe, what frequency (or frequencies), how long you need to spend, how many times do you need to observe it, etc.

The total length including figures, tables, and references should be less than 5 pages. We will circulate some sample (real) proposals.

By November 15 you need to come up with a 1-page outline of your project that you submit. If you want help coming up with ideas or making sure that it is feasible please find a time to come and talk with us.