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Username: **.\wiseguest**

Password: **2025guest@CEAS**

Go to:

https://github.com/ianpajohnsonSBU/WISE_computing_heavens

Or for short: github.com/ianpajohnsonSBU/

And download your group's files!

Projects!

Ian Johnson
For SBU HS WISE

Binary Black Hole Mass Estimation (GW 150914)

Measure the mass of the black holes from the first gravitational wave event that won a Nobel Prize!

Goal: Find the more difficult to detect signal

Topics to search:

- Schwarzschild Radius
- Reduced Mass Coordinates
- GW 150914

File Origin:

<https://gwosc.org/eventapi/html/GWTC-1-confident/GW150914/v3/>

Binary Neutron Star Merger (GW 170817)

Spot the gravitational waves from a rare and bright merger that is one of the most significant astrophysical events ever!

Goal: Get the masses of the black holes

Topics to Search:

- Neutron Star
- GW 170817
- AT2017gfo
- Kilonova

File Origin:

<https://gwosc.org/eventapi/html/GWTC-1-confident/GW170817/v3/>

Advice:

- You don't have infinite time and you all have your own skills, so divide work.
 - Background readers/writers
 - Plot designers
 - Code developers
 - Poster Coordinator
- Keep track of issues to ask me at the end
- Use the internet for more information
- But please ask me to help!