

# PHY 475

## Literature Review 1

**Stage 2** (*due in D2L Dropbox by 5 PM, Thursday, 5/17*)

Pick **any one of the 3 papers** you selected in Stage 1. Or, if you didn't pick something suitable the first time, **you are also allowed to look for another paper** in 2011-12 in the Astrophysical Journal that allows you to respond appropriately to the prompts below.

**Search the literature** to find information on the topic of the paper that you picked; the kinds of information you should be looking for include:

- Introduction to the topic, including why is this topic interesting?
- What are the outstanding issues/problems in the field of this topic?
- What work has been done so far on this topic?
- What are the prospects for future work in the field of this topic?
- Bibliography

The best way to search the literature is to use the NASA ADS service at the link: [http://adsabs.harvard.edu/abstract\\_service.html](http://adsabs.harvard.edu/abstract_service.html). Note that while Stage 1 was confined to the Astrophysical Journal, this stage may take you to many different journals; all of them should be accessible through the listings obtained in the ADS portal. If they aren't, they probably aren't all that important; *if you want, you can double check with me to see if there is another way to retrieve a reference that you think is important, but are unable to download via the ADS listing (sending email with the reference of the publication would make it easiest for me to help you).*

When you have all the information listed above, **write a** (minimum) **3-page report** (*double-spaced, 1 in margins on all sides, with 12 pt Times New Roman font, or equivalent*).

**Do not include** the bibliography page in your page count.

*This assignment is due in the D2L Dropbox by 5 PM on Thursday (5/17). Late assignments will not be accepted under any circumstances. Emailed papers will not be accepted, they must be submitted to the D2L Dropbox.*