

Electrodynamics and Radiative Processes I

Project Details

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August-September 2018

Date : 8th August 2019

Project topics

Separate report (Max 4 pages), Last date for submission 20th September

- 1 Absorption lines in Radio astronomy (Partha)
- 2 Emission lines in sun or sun-like stars (Gayatri)
- 3 Galactic HI lines (Bikram, Jitendra)
- 4 Extra-Galactic HI lines (Shiva, Divesh)
- 5 Optical emission lines (Premvijay, Sukanya)
- 6 Thermal radiation from isolated neutron stars (Kishore, Arpit)
- 7 Radio emission from pulsars (Priyanka, Sangita)
- 8 X-ray and Gamma-ray emission from pulsars (Soumya, Ayan)
- 9 X-ray emission from clusters of galaxies (Meenakshi, Ankush, Janhavi)
- 10 Radio emission from clusters of galaxies (Tathagata, Ajay)
- 11 Radio emission from galaxies (Junaid, Kavita)
- 12 Radio emission from supernovae (Suprovo)

Rules

Take ownership of your project !

Find out resource (acknowledge them in the report).

You may choose to detail on any particular aspect of the subject.

You may choose to review a paper on the subject.

You may do numerical computation or something else that come to your mind.

Adding of figures and equations are advisable.

Reference section is mandatory.

Understand (not remember) what you write in the report, I may ask you.

Project report should be submitted by 20th September.

No discussion about the project topic with me.