

Electrodynamics and Radiative Processes I

Project Detail

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IUCAA-NCRA Graduate School
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Date : 9th August 2018

Project topics (based on initial 7 lectures)

Requirement: separate report by each student (Max 5 pages)

Radiative transfer equation (Soumyadeep, Navin)

Optical depth (Divya, Samanwaya, Deepak)

Emission lines (Deepali, Balpreet, Shubham)

Absorption lines (Shrabani, Sonalika , Barun)

Brightness temperature (Aromal, Shyam, Piyali)

Einstein Coefficients (Ritika, Bhaskar, Anuj)

Stokes parameters (Amit, Kanchan, Devojoyoti)

Thomson scattering (Vishal, Labanya, Parisee)

Date of Submission **7th September**

Email to bhaswati@ncra.tifr.res.in

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.

Make sure you understand what you write in the report, I may ask you.

Project report should be submitted by 7th September.

No discussion about the project topic with me.