

# Organizational Matters - Summer Semester 2024

This article documents all agreements, arrangements, talks, etc. within the scope of the astrophysical laboratory course.

## Talk program



For a comprehensive overview of how to prepare talks in a scientific context, see:

1. this [presentation](#)
2. this [checklist](#)

| Date         | Talk                                                                                                              | Speaker               |
|--------------|-------------------------------------------------------------------------------------------------------------------|-----------------------|
| 10.04.       | Organization Meeting                                                                                              |                       |
| 17.04.       | Astro-Quiz                                                                                                        | ...                   |
| 24.04.       | How to give a seminar talk. Astro-Quiz                                                                            | Margaritis Chatzis    |
| 08.05. (I)   | Principles of optical telescopic observations I. - reflectors, magnification, aberrations. OST                    | Varshini Subramanian  |
| 08.05. (II)  | Principles of optical telescopic observations II. - astronomical coordinates, telescope mounts, astroclimate. OST | Sophia Dahm           |
| 15.05. (I)   | Stars: spectral types and the HRD                                                                                 | Louis Henkel          |
| 15.05. (II)  | Spectroscopy - different types of spectrographs and basic principles. OST                                         | Muhammad Saif Misbah  |
| 22.05. (I)   | Stellar evolution, evolutionary tracks, and isochrones on the HRD and CMD                                         | Jui Parkhi            |
| 05.06. (I)   | N2: Description of the observation, data reduction, and data analysis                                             | Acchyut Jolly         |
| 05.06. (II)  | N1: Description of the observation, data reduction, and data analysis                                             | Dennis Heberer        |
| 12.06. (I)   | The Sun: structure, dynamo, and magnetic field. The solar observatory at the Einsteinurm                          | Richard Lehm          |
| 26.06. (I)   | Stars: spectral types, modern spectral classification schemes, and stellar tracks on the HRD                      | Doniya Jiju           |
| 26.06. (II)  | The Sun: solar activity, solar cycle, solar spots, and Zeeman effect measurements                                 | Arpita Dhall          |
| 26.06. (III) | N1: Radial velocity measurements                                                                                  | Dennis Heberer        |
| 03.07. (I)   | Eclipsing binaries and other methods to determine stellar masses                                                  | Shreyas Kathuria      |
| 03.07. (II)  | Photometry - stellar magnitudes, extinction, photometric bands, modern photometry                                 | Goutham Krishna Leons |

### Master Program - Summer Semester 2025 - Talks

| Real name         | 08.05.<br>(I) | 08.05.<br>(II) | 15.05.<br>(I) | 15.05.<br>(II) | 22.05.<br>(I) | 22.05.<br>(II) | 05.06.<br>(I) | 05.06.<br>(II) | 12.06.<br>(I) | 12.06.<br>(II) | 19.06.<br>(I) |
|-------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| Acchyut Jolly     |               |                |               |                |               |                | ✔             |                |               |                |               |
| Alpha (alpha)     |               |                |               |                |               |                |               |                |               |                | ✔             |
| Beta (beta)       |               | ✔              |               |                |               |                |               |                |               |                |               |
| Delta (delta)     |               |                |               | ✔              |               |                |               |                |               |                |               |
| Dennis Heberer    |               |                |               |                |               |                |               | ✔              |               |                |               |
| Epsilon (epsilon) |               |                | ✔             |                |               |                |               |                |               |                |               |
| Gamma (gamma)     |               |                |               |                |               |                |               |                |               | ✔              |               |
| Jui Parkhi        |               |                |               |                | ✔             |                |               |                |               |                |               |
| Louis Henjel      |               |                | ✔             |                |               |                |               |                |               |                |               |
| Count:            | 0             | 1              | 2             | 1              | 1             | 0              | 1             | 1              | 0             | 1              | 1             |

## Contacts

If you want to contact us, you can find our email address at ***prakt@astro.physik.uni-potsdam.de***, since it allows to reach all instructors.

| Name                    | Room  | Mail       | Responsibilities                          |
|-------------------------|-------|------------|-------------------------------------------|
| Prof. Lidia Oskinova    | 2.135 | lida       | organization, talks, protocols            |
| M.Sc. Magaritis Chatzis | 2.115 | chatzis    | organization, talks, reports              |
| B.Sc. Oliver Steppohn   | 0.033 | -          | telescope support, data reduction support |
| B.Sc. Jonas Brinkmann   | 2.008 | jbrinkmann | telescope support, data reduction support |
| Rainer Hainich          | 2.009 | rhainich   | technical support                         |

Overview: laboratory course

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