

## Vortragsplan Bachelor

| Datum/Date | Vortrag/Talk     | Vortragender/Speaker |
|------------|------------------|----------------------|
|            | To be determined |                      |

## Vortragsplan master



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

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

| Date                                          | Talk                                                                                                              |             |            |             |            |             |            |             |            |             |            |             | Speaker            |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|--------------------|
| 13.10.                                        | Organization Meeting                                                                                              |             |            |             |            |             |            |             |            |             |            |             |                    |
| 20.10.                                        | How to give a seminar talk. Astro-Quiz                                                                            |             |            |             |            |             |            |             |            |             |            |             | Margaritis Chatzis |
| 27.10.                                        | Astro-Quiz                                                                                                        |             |            |             |            |             |            |             |            |             |            |             |                    |
| 10.11. (I)                                    | Stars: spectral types, evolutionary tracks, and isochrones on the HRD and CMD                                     |             |            |             |            |             |            |             |            |             |            |             | Giorgia Tiozzo     |
| 10.11. (II)                                   | Spectroscopy - different types of spectrographs and basic principles. OST                                         |             |            |             |            |             |            |             |            |             |            |             | Ojasbi Badal       |
| 17.11. (I)                                    | N1: Description of the observation, data reduction, and data analysis                                             |             |            |             |            |             |            |             |            |             |            |             |                    |
| 17.11. (II)                                   | N2: Description of the observation, data reduction, and data analysis                                             |             |            |             |            |             |            |             |            |             |            |             |                    |
| 24.11. (I)                                    | The Sun: structure, dynamo, and magnetic field. The solar observatory at the Einsteinurm                          |             |            |             |            |             |            |             |            |             |            |             | Madison Liebel     |
| 24.11. (II)                                   | The Sun: solar activity, solar cycle, solar spots, and Zeeman effect measurements                                 |             |            |             |            |             |            |             |            |             |            |             | Elias Hesse        |
| 01.12. (I)                                    | Radial velocity measurements in application to rotation, binary stars, and exoplanets                             |             |            |             |            |             |            |             |            |             |            |             | Tejaswi Varma      |
| 01.12. (II)                                   | Photometry - stellar magnitudes, extinction, photometric bands, modern photometry                                 |             |            |             |            |             |            |             |            |             |            |             | Darren Hunt        |
| 08.12. (I)                                    | Methods to determine stellar mass                                                                                 |             |            |             |            |             |            |             |            |             |            |             |                    |
| 08.12. (II)                                   | Milky Way Galaxy                                                                                                  |             |            |             |            |             |            |             |            |             |            |             | Ruchika Rani       |
| 15.12. (I)                                    | Principles of optical telescopic observations I. - reflectors, magnification, aberrations. OST                    |             |            |             |            |             |            |             |            |             |            |             |                    |
| 15.12. (II)                                   | Principles of optical telescopic observations II. - astronomical coordinates, telescope mounts, astroclimate. OST |             |            |             |            |             |            |             |            |             |            |             |                    |
| Master Program - Summer Semester 2025 - Talks |                                                                                                                   |             |            |             |            |             |            |             |            |             |            |             |                    |
| Real name                                     | 10.11. (I)                                                                                                        | 10.11. (II) | 17.11. (I) | 17.11. (II) | 24.11. (I) | 24.11. (II) | 01.12. (I) | 01.12. (II) | 08.12. (I) | 08.12. (II) | 15.12. (I) | 15.12. (II) |                    |
| Colton Michael Burross (I)                    |                                                                                                                   |             |            |             |            |             |            |             |            |             |            | ✔           |                    |
| Darren Hunt (rhainich)                        |                                                                                                                   |             |            |             |            |             |            | ✔           |            |             |            |             |                    |

|                                  |   |   |  |  |   |   |   |  |   |   |   |  |  |
|----------------------------------|---|---|--|--|---|---|---|--|---|---|---|--|--|
| Delta<br>(delta)                 |   |   |  |  |   |   |   |  |   |   | ✓ |  |  |
| Elias<br>Hesse<br>(rhainich)     |   |   |  |  |   | ✓ |   |  |   |   |   |  |  |
| Giorgia<br>Tiozzo<br>(rhainich)  | ✓ |   |  |  |   |   |   |  |   |   |   |  |  |
| Madison<br>Liebel<br>(rhainich)  |   |   |  |  | ✓ |   |   |  |   |   |   |  |  |
| Ojasbi<br>Badal<br>(rhainich)    |   | ✓ |  |  |   |   |   |  |   |   |   |  |  |
| Ruchika<br>Rani<br>(rhainich)    |   |   |  |  |   |   |   |  |   | ✓ |   |  |  |
| Tejaswi<br>Varma<br>(rhainich)   |   |   |  |  |   |   | ✓ |  |   |   |   |  |  |
| Tim Baier<br>( )                 |   |   |  |  |   |   |   |  | ✓ |   |   |  |  |
| Count: 1 1 0 0 1 1 1 1 1 1 1 1 1 |   |   |  |  |   |   |   |  |   |   |   |  |  |

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