

Organizational matters - summer semester 2022

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
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
17.11. (I)	Spectroscopy - different types of spectrographs and basic principles. OST	Ojasbi Badal
17.11. (II)	N2: Description of the observation, data reduction, and data analysis	Florian Meier
24.11. (I)	-	-
24.11. (II)	-	-
01.12. (I)	The Sun: solar activity, solar cycle, solar spots, and Zeeman effect measurements	Elias Hesse
01.12. (II)	The Sun: structure, dynamo, and magnetic field. The solar observatory at the Einsteinurm	Madison Liebel
08.12. (I)	Principles of optical telescopic observations I. - reflectors, magnification, aberrations. OST	Ruchika Rani
08.12. (II)	Principles of optical telescopic observations II. - astronomical coordinates, telescope mounts, astroclimate. OST	Prabhu Reshmi
08.12. (III)	Types of optical telescopes III. - Newtonian, Cassegrain, Schmidt - advantages and disadvantages. OST	Tim Baier
15.12. (I)	Methods to determine stellar mass	Jaskirat Singh
15.12. (II)	Largest optical telescopes: current facilities and near future	Colton Michael Burross
19.01. (I)	Photometry - stellar magnitudes, extinction, photometric bands, modern photometry	Darren Hunt
19.01. (II)	Radial velocity measurements in application to rotation, binary stars, and exoplanets	Tejaswi Varma
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 ()												✓
Darren Hunt (rhainich)								✓				
Delta (delta)											✓	
Elias Hesse (rhainich)						✓						
Giorgia Tiozzo (rhainich)	✓											
Madison Liebel (rhainich)					✓							
Ojasbi Badal (rhainich)		✓										
Ruchika Rani (rhainich)										✓		
Tejaswi Varma (rhainich)							✓					
Tim Baier ()									✓			
Count: 1 1 0 0 1 1 1 1 1 1 1 1 1												

Contacts

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Rainer Hainich	2.009	rhainich	Technischer Support

Overview: laboratory course

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