Organizational Matters - Summer Semester 2024

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

Talk program

Date	Talk	Speaker
02.05.	Spectroscopy with the OST: description of the observation, data reduction, and data analysis	Emily Loessnitz
02.05.	Photometry with the OST: description of the observation, data reduction, and data analysis	Jan-Marco Kubat
16.05.	Principles of optical telescopic observations - refractors & reflectors, magnification, aberrations. OST	
16.05.	Spectroscopy - different types of spectrographs and basic principles. OST	
23.05.	The Sun: structure, dynamo, and magnetic field. The solar observatory at the Einsteinturm	Laurent Stütz
23.05.	The Sun: solar activity, solar cycle, solar spots, and Zeeman effect measurements	
30.05.	Photometry - stellar magnitudes, extinction, photometric bands, modern photometry	
30.05.	Stars: spectral types and the HRD	Noel Hofmann
06.06.	Stellar evolution and evolutionary tracks on the HRD and CMD	
06.06.	Binary stars and radial velocity measurements as a tool to determine stellar properties	
13.06.	Eclipsing binaries and other methods to determine stellar masses	Kira Knauff
13.06.	Solar System Planets and how to observe them with the OST	
20.06.	Exoplanets and the methods of their detection	Sebastian Frischmann
20.06.	Variable and pulsating stars. Light-curves. Asteroseysmology	

Talks I: master program - summer semester 2024					
Real name	Principles of optical telescopic observations - refractors & reflectors, magnification, aberrations. OST	Spectroscopy - different types of spectrographs and basic principles. OST	The Sun: structure, dynamo, and magnetic field. The solar observatory at the Einsteinturm	The Sun: solar activity, solar cycle, solar spots, and Zeeman effect measurements	Binary stars and radial velocity measurements as a tool to determine stellar properties
Dr. Lidia Oskinova (lidia)			✓		
Count:	**0**	**0**	**1**	**0**	**0**

Talks II: master program - summer semester 2024

Real name	Photometry - stellar magnitudes, extinction, photometric bands, modern photometry	Stars: spectral types and the HRD	Stellar evolution and evolutionary tracks on the HRD and CMD	Binary stars and radial velocity measurements as a tool to determine stellar properties	Eclipsing binaries and other methods to determine stellar masses
Alpha (alpha)					✓
Infant Ronald Reagan Johnson Amalraj			✓		
Noel Hofmann		✓			
Count:	**0**	**1**	**1**	**0**	**1**

Talks III: master program - summer semester 2024		
Real name	Solar System Planets and how to observe them with the OST	Exoplanets and the methods of their detection
Sebastian Frischmann		✓
Count:	**0**	**1**

An extensive overview on how to prepare talks in a scientific context can be found here.

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
apl. Prof. Lidia Oskinova	2.135	lida	organization, talks, protocols
M.Sc. Sabela Reyero	2.115	sabela	organization, talks
B.Sc. Fabian Mattig	2.008	fmattig	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