



# 7th Institute of Space Sciences Summer School: Multiwavelength Approach to Exoplanets

## Tuesday 02 July 2024

### Lecture: Introduction of detection and analysis methods (Ignasi Ribas) (14:30-16:00)

time	[id] title	presenter
14:30	[45] Introduction of detection and analysis methods	

### Lecture: Methods of statistical analysis (Guillem Anglada Escudé) (16:30-18:00)

time	[id] title	presenter
16:30	[46] Methods of statistical analysis	ANGLADA-ESCUDE, Guillem

# Wednesday 03 July 2024

## Lecture: Data extraction from high-resolution spectra (Marina Lafarga) (09:00-10:45)

time	[id] title	presenter
09:00	[48] Data extraction from high-resolution spectra	

## Lecture: Analysis of high-precision radial velocities (Trifon Trifonov) (11:15-13:00)

time	[id] title	presenter
11:15	[49] Analysis of high-precision radial velocities	

# Thursday 04 July 2024

**Lecture: Understanding stellar activity in the exoplanetary field (Nadège Meunier) (09:00-10:45)**

time	[id] title	presenter
09:00	[52] Understanding stellar activity in the exoplanetary field	

**Lecture: Machine learning for stellar activity mitigation (Manuel Perger) (11:15-13:00)**

time	[id] title	presenter
11:15	[53] Machine learning for stellar activity mitigation	

**Lecture: Transit spectrophotometry (Juan Carlos Morales) (14:30-16:00)**

time	[id] title	presenter
14:30	[47] Transit spectrophotometry	

# Friday 05 July 2024

## Lecture: Direct Imaging of exoplanets (Anthony Boccaletti) (09:00-10:45)

time	[id] title	presenter
09:00	[56] Direct Imaging of exoplanets	

## Lecture: Characterizing planetary atmospheres (Lisa Nortmann) (11:15-13:00)

time	[id] title	presenter
11:15	[57] Characterizing planetary atmospheres	

# Monday 08 July 2024

## **Lecture: Internal structure and magnetism in planets (Daniele Viganò) (09:00-10:45)**

time	[id] title	presenter
09:00	[60] Internal structure and magnetism in planets	Dr VIGANÒ, Daniele

## **Lecture: Dynamo in stars and planets (Fabio del Sordo) (11:15-13:00)**

time	[id] title	presenter
11:15	[61] Dynamo and magnetism: basics	DEL SORDO, Fabio

## **Lecture: Star-planet magnetic interaction and activity proxies (Rim Fares) (14:30-16:15)**

time	[id] title	presenter
14:30	[64] Star-Planet interactions and planetary magnetism	

# Tuesday 09 July 2024

## **Lecture: Mechanisms of radio emission from exoplanets (Jean-Mathias Grießmeier) (09:00-10:45)**

time	[id] title	presenter
09:00	[65] Mechanisms of radio emission from exoplanets	

## **Lecture: The role of flares in Star-Planet interactions (Ekaterina Ilin) (11:15-13:00)**

time	[id] title	presenter
11:15	[62] The role of flares in Star-Planet interactions	

# Wednesday 10 July 2024

## **Lecture: Stellar Magnetism and extrasolar Space Weather (Julián Alvarado Gómez) (09:00-10:45)**

time	[id] title	presenter
09:00	[68] Stellar Magnetism and extrasolar Space Weather	

## **Lecture: The role of the host star on planet habitability (Sudeshna Boro Sakia) (11:15-13:00)**

time	[id] title	presenter
11:15	[69] The role of the host star on planet habitability	