Saas Fee 2024: From stars to planets in the space-based photometry era

Report of Contributions

https://indico.cern.ch/e/1325572

Contribution ID: **1** Contribution code: **St-1** Type: **not specified**

Stars - lecture 1 - Introduction: From the music of the sphere to stellar pulsations

Monday 29 January 2024 08:30 (50 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **2** Contribution code: **SP-1** Type: **not specified**

Star-Planet - lecture 1 - Introduction to SPI

Monday 29 January 2024 09:30 (50 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **3** Contribution code: **Pl-1** Type: **not specified**

Planets - lecture 1 - Introduction to planetary properties and their link to host stars

Monday 29 January 2024 11:00 (50 minutes)

Presenter: Dr OWEN, James

Contribution ID: **4** Contribution code: **St-2** Type: **not specified**

Stars - lecture 2 - Methods and results in Helioseismology

Monday 29 January 2024 17:00 (45 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **5** Contribution code: **SP-2** Type: **not specified**

Star-Planet - lecture 2 - Key ingredients for SPI: stellar (magnetic) activity

Monday 29 January 2024 17:55 (45 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **6** Contribution code: **Pl-2** Type: **not specified**

Planets - lecture 2 - Exoplanet demographics as a tool for understanding planetary properties

Tuesday 30 January 2024 08:30 (50 minutes)

Presenter: Dr OWEN, James

Contribution ID: **7** Contribution code: **St-3** Type: **not specified**

Stars - lecture 3 - From Helio to Asteroseismology

Tuesday 30 January 2024 09:30 (50 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **8** Contribution code: **SP-3** Type: **not specified**

Star-Planet - lecture 3 - Key ingredients for SPI: stellar wind

Tuesday 30 January 2024 11:00 (50 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **9** Contribution code: **Pl-3** Type: **not specified**

Planets - lecture 3 - Introduction to exoplanet structure and evolution

Tuesday 30 January 2024 17:00 (45 minutes)

Presenter: Dr OWEN, James

Contribution ID: **10** Contribution code: **St-4** Type: **not specified**

Stars - lecture 4 - Tutorial on the use of ADIPLS code to calculate adiabatic oscillations on the Sun (1)

Tuesday 30 January 2024 17:55 (45 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **11** Contribution code: **SP-4** Type: **not specified**

Star-Planet - lecture 4 - Key ingredients for SPI: planetary magnetism

Wednesday 31 January 2024 08:30 (50 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **12** Contribution code: **Pl-4** Type: **not specified**

Planets - lecture 4 - Giant Planets I - Properties and Evolution

Wednesday 31 January 2024 09:30 (50 minutes)

Presenter: Dr OWEN, James

Contribution ID: **13** Contribution code: **St-5** Type: **not specified**

Stars - lecture 5 - Asteroseismic techniques to deduce properties of stars

Wednesday 31 January 2024 11:00 (50 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **14** Contribution code: **SP-5** Type: **not specified**

Star-Planet - lecture 5 - SPI in action: anomalous stellar activity

Wednesday 31 January 2024 17:00 (45 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **15** Contribution code: **Pl-5** Type: **not specified**

Planets - lecture 5 - Giant Planets II - Insights into Formation

Wednesday 31 January 2024 17:55 (45 minutes)

Presenter: Dr OWEN, James

Contribution ID: **16** Contribution code: **St-6** Type: **not specified**

Stars - lecture 6 - Strategies for characterizing exoplanets and condition of habitability

Thursday 1 February 2024 08:30 (50 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **17** Contribution code: **SP-6** Type: **not specified**

Star-Planet - lecture 6 - SPI in action: atmospheric evaporation

Thursday 1 February 2024 09:30 (50 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **18** Contribution code: **Pl-6** Type: **not specified**

Planets - lecture 6 - Super-Earths/Sub-Neptunes I - Properties and Evolution

Thursday 1 February 2024 11:00 (50 minutes)

Presenter: Dr OWEN, James

Contribution ID: **19** Contribution code: **St-7** Type: **not specified**

Stars - lecture 7 - Tutorial on the use of ADIPLS code to calculate adiabatic oscillations on solar-type stars (2)

Thursday 1 February 2024 17:00 (45 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **20** Contribution code: **SP-7** Type: **not specified**

Star-Planet - lecture 7 - SPI in action: radio emission

Thursday 1 February 2024 17:55 (45 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **21** Contribution code: **Pl-7** Type: **not specified**

Planets - lecture 7 - Super-Earths/Sub-Neptunes II - Insights into Formation

Friday 2 February 2024 08:30 (50 minutes)

Presenter: Dr OWEN, James

Contribution ID: **22** Contribution code: **St-8** Type: **not specified**

Stars - lecture 8 - Frontiers of stellar physics, future asteroseismic missions and conclusions

Friday 2 February 2024 09:30 (50 minutes)

Presenter: Dr DI MAURO, Maria Pia

Contribution ID: **23** Contribution code: **SP-8** Type: **not specified**

Star-Planet - lecture 8 - SPI in action: interactions with stellar wind

Friday 2 February 2024 11:00 (50 minutes)

Presenter: Prof. VIDOTTO, Aline

Contribution ID: **24** Contribution code: **Pl-8** Type: **not specified**

Planets - lecture 8 - Future and Conclusions

Friday 2 February 2024 17:00 (45 minutes)

Presenter: Dr OWEN, James

Contribution ID: **25** Type: **not specified**

Round table / discussion

Friday 2 February 2024 17:55 (45 minutes)

Futur of the field, synergies between communities

Presenter: Dr BULDGEN, Gaël