

MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Results, collaborations & perspective of new projects employing MATISSE.

Organizational information:

This hybrid meeting will be held via **Zoom** (connection details communicated via email) and in the **NEF** of the OCA. Please note, all times indicated in this schedule are in **CET (UTC+1)**.

The latest version of the program (in case you are viewing a PDF) is always available at <https://tinyurl.com/3k8r9y44>.



MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Day 1: November 6, Wednesday

14:00-14:20	Welcome, objective of the meeting	Bruno Lopez
MATISSE review session from discipline groups		Chair: Bruno Lopez
14:20-14:45 20 + 5 min	What has been achieved with MATISSE on AGNs, plan for the near future	Walter Jaffe & James Leftley
14:45-15:10 20 + 5 min	The Young Stellar Object Survey	Roy van Boekel, Michiel Hogerheijde & Jean-Charles Augereau
15:10-15:35 20 + 5 min	The AGB large program	Claudia Paladini
15:35-16:00	Coffee break	
16:00-16:25 20 + 5 min	Extrasolar planets with Mathis and MATISSE after the breakthroughs made with GRAVITY	Mathis Houllé
Theory and/or complementary observations		Chair: Walter Jaffe
16:25-16:50 20 + 5 min	Atmospheres of extrasolar planets and brown dwarfs	Benjamin Charnay
16:50-17:25	Active Galaxies and cosmology with GRAVITY and GRAVITY+	James Leftley & Sebastian Höning

MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Day 2: November 7, Thursday

Theory and/or complementary observations (continued)

Chair: Walter Jaffe

09:30-10:00
25 + 5 min

Physics in protoplanetary disks

Clément Baruteau & Héroïse Méheut

10:00-10:30
25 + 5 min

Young Stellar Object with GRAVITY and perspective of GRAVITY+

Karine Perraut

10:30-10:45

Coffee break

10:45-11:15
25 + 5 min

Intersection between ALMA data and VLTI data for ring/disk structures

Nienke van de Marel

11:15-11:45
25 + 5 min

Cool luminous stars: modelling their dynamical atmospheres and dusty winds

Susanne Höfner

Session “methods, modeling tools, calibration”

Chair: Paul Boley

11:45-12:10
20 + 5 min

Olmodeler

Jozsef Varga & Anthony Meilland

12:15-13:45

Lunch

Continued on next page

MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Day 2: November 7, Thursday (continued)

Session “methods, modeling tools, calibration” (continued)

Chair: Paul Boley

14:00-14:25
20 + 5 min

Spectrophotometric models of calibrators

Violeta Gámez Rosas

14:25-14:50
20 + 5 min

Calibration sources project

Pierre Cruzalèbes &
Sylvie Robbe-Dubois

14:50-15:15
20 + 5 min

Debris disk modeling of Beta Pic and correlations in MATISSE data

Philippe Priolet

Session results from the community

Chair: Alexis Matter &
Jozsef Varga

15:15-15:30
10 + 5 min

The inner disk of RY Tau observed by MATISSE

Johannes Martin

15:30-15:45
10 + 5 min

The complex inner disk of the Herbig Ae star HD 100453 with VLT/MATISSE

Luna van Haastere

15:45-16:00
10 + 5 min

Imaging the dust surdensity around the B[e] star I Puppis with MATISSE

Margaux Abello

16:00-16:15

Coffee break

Continued on next page

MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Day 2: November 7, Thursday (continued)

Session results from the community (continued)

Chair: Alexis Matter &
Jozsef Varga

16:15-16:30 10 + 5 min	Carbon stars: MATISSE observations meet Uppsala dusty wind models	Josef Hron
16:30-16:45 10 + 5 min	A search of AGB binaries: the case of V Hya	Lea Plancart
16:45-17:00 10 + 5 min	Spatial distribution of warm dust around the Vega-type star HD 166191 after an asteroid collision	Lei Chen
17:00-17:15 10 + 5 min	Eruptive stars with MATISSE	Claire Lykou
17:15-17:30 10 + 5 min	The variable inner disk of DG Tauri	Ágnes Kóspál
17:30-17:45 10 + 5 min	JWST-MATISSE synergy survey of T Tauri stars	Péter Ábrahám
17:45-18:00 10 + 5 min	Evidence for an accretion bridge in the DX Cha circumbinary system	Timea Juhasz

MATISSE Science Meeting: Nov. 6-8, 2024

Observatoire Côte d'Azur, Nice

Day 3: November 8, Friday

VLTI upgrades and future music		Chair: Roy van Boekel & Bruno Lopez
09:30-10:00 25 + 5 min	Context of the GRAVITY+ upgrades of the infrastructures at the VLTI	Antoine Mérand
10:00-10:15 10 + 5 min	News from GPAO	Florentin Millour
10:15-10:45 25 + 5 min	Cosmology investigation and high redshift for the VLTI	Romain Petrov
10:45-11:00	Coffee break	
11:00-11:20 15 + 5 min	What about the Galactic Center, news regarding the MATISSE observation of the Galactic center	Emma Bordier
11:20-11:40 15 + 5 min	What about planets?	Mathis Houllé
11:40-12:15	Discussion, conclusions of meeting: lessons learned, next steps for programs and surveys using planned and proposed upgrades to VLTI infrastructure, improving interaction within the modeling and observing communities.	Moderators: Jean-Charles Augereau & Paul Boley
12:15	Lunch	
13:30-16:00	MATISSE team closed session	