



# mm Universe @ NIKA2

Observing the millimeter Universe  
with the NIKA2 camera



Sapienza University  
Department of Physics  
Rome  
28 June - 2 July 2021

Conclusion  
*of the 2<sup>nd</sup> edition*  
of the mm Universe @ NIKA2 conference

Frédéric Mayet  
Université Grenoble Alpes

## Key figures

- ✓ **167 registrants** (including late ones)
- ✓ **66 talks**
- ✓ a lot of results
- ✓ Hundreds of comments, scientific discussions (slack, questions, offline, ...)
- ✓ 10 slack channels (managed by Antonio)
- ✓ 1 conference picture (out of tens of screen shots and collages)

and due to the pandemic, unfortunately

- 0 real-life events (social event, Roma tour, ...)



Despite the unusual remote format,  
the 2<sup>nd</sup> edition of mm Universe conference  
was a success  
thanks to...

## The Local Organizing Committee

Valentina Capalbo

Federico De Luca

Giulia Gianfagna

Aishwarya Paliwal

**Antonio Ferragamo** - co-chair

**Marco De Petris** - chair



## The chair-persons (in appearance order)

Juan Macias-Perez, Florian Ruppin, Laurence Perotto, Nabila Aghanim, Paolo de Bernadis, Laura Salvati, Stefano Etori, Dominique Eckert, Jens Chluba, Pasquale Mazzota, Gustavo Yepes, Elena Rasia, Weiguang Cui, Antonio Ferragamo, Alessia Ritacco, Nicolas Ponthieu, Jean-François Lestrade, François-Xavier Désert and Marco De Petris, Frédéric Mayet

## The zoom managers

Marco De Petris  
Antonio Ferragamo  
Valentina Capalbo  
Federico De Luca  
Giulia Gianfagna  
Aishwarya Paliwal  
Frédéric Mayet



La Sapienza Università di Roma  
for hosting the conference  
and for the fundings (proceedings)  
Reminder: the conference was free of charge



SAPIENZA  
UNIVERSITÀ DI ROMA

and all speakers  
and all participants



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Rashid Sunyaev	Marco De Petris	Jens Chluba	Stefano Ettori	Felipe Santos	valentina capalbo	nabila aghanim	Gustavo Yepes	Mario Nonino	Weiguang Cui
Antonio Ferragamo	Frederic Mayet	Federico De Luca	Laurence Perotto	Florian Kéruzoré	Gemma Luzzi	Carlo Giocoli - INAF...	Federico Radiconi	Sandeep Haridasu	Roberto Maoli
Pasquale Mazzotta	Lorenzo Lovisari	bourdin	François-Xavier Désert	sandeep acharya	Maude Charmentant	Etienne Pointecouteau	Simone Bianchi	Karl Schuster	Umberto MAIO
Amandine Le Brun (s...	Giulia Gianfagna	GWP	Fabio Castagna	Aishwarya Pathwal	Raphael Wicker	Mariachiara Rossetti	Matteo Murgia	Stefano Berta	Stefania Amodeo
Jean-Baptiste Melin	Angel Bongiovanni	Stefano Andreon	Hélène Roussel	Emmanuel Artis	Paolo Marchegiani	Hideki Tanimura	Daniel de Andres	Giulia Campitiello	Miguel Sanchez P...
Jean-Francois Lestrade	andreacatalano	Fabio Gastaldello	Mathieu Remazeilles	Miren Muñoz Echeve...	Laura Salvati	Stavroula Katsioli	Florian Ruppin	Gabriel Pratt	Inigo Zubeldia
Simon DUPOURQUE	Alex	Paula Tarrío	Rémi Adam	Iacopo Bartalucci	Aditya Rotti	Filippo Oppizzi	Tom Rose	Simona Ghizzardi	Dominique Eckert

tSZ NIKA2 map of Coliseum



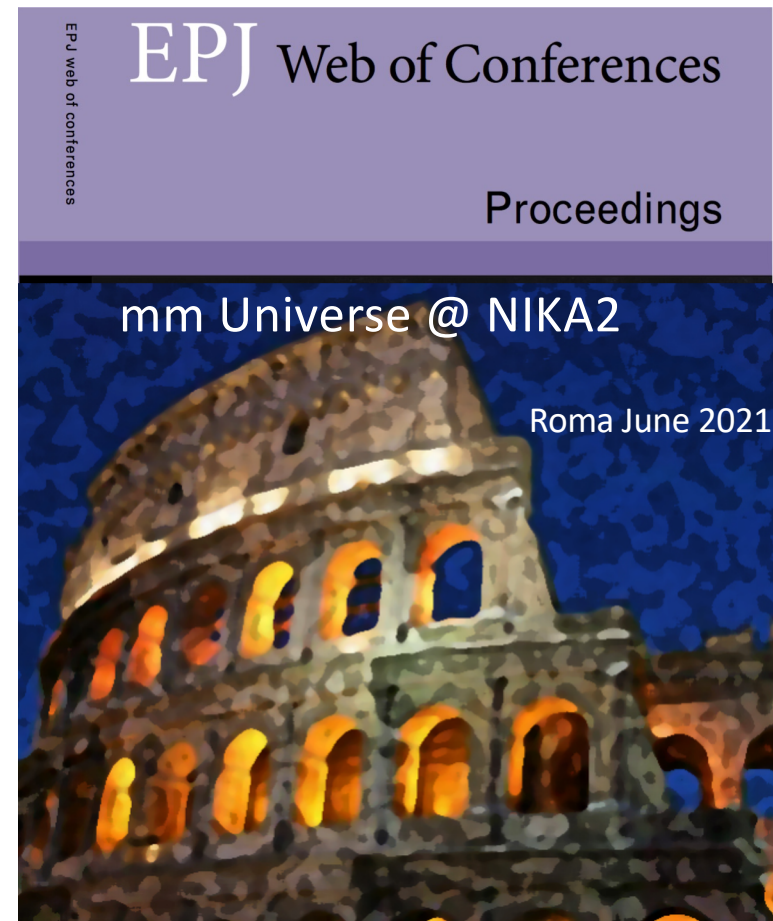
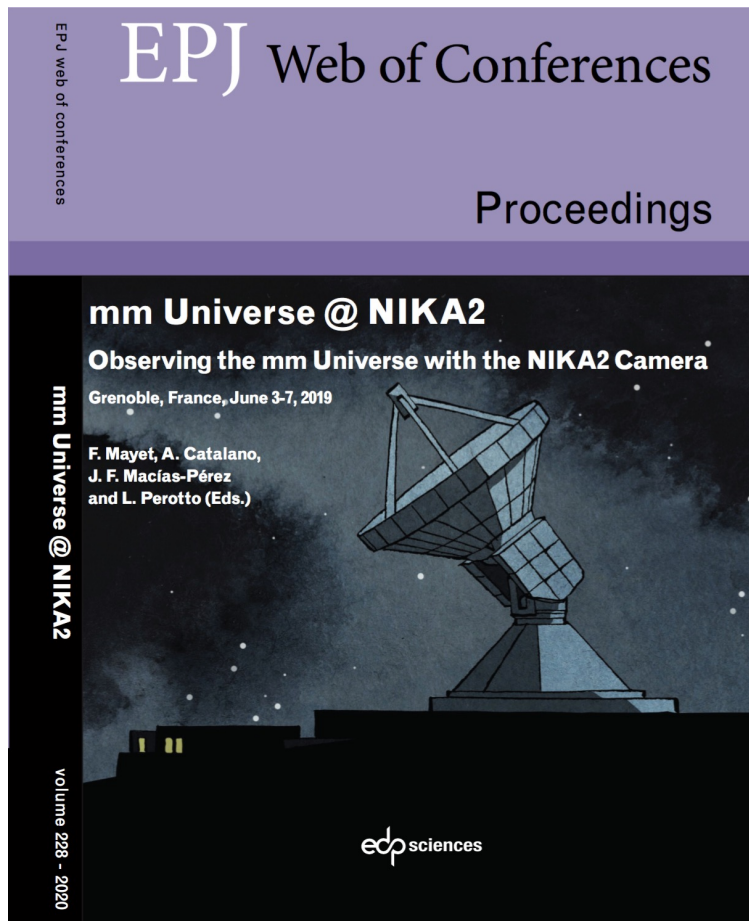
## Proceedings

The Conference Proceedings will be published by  
Web Of Conferences in the European Physical Journal  
<http://www.epj-conferences.org>

- ✓ 6 pages per talk
- ✓ Submission deadline: 01/10/2021
- ✓ All papers will be peer-reviewed

... more details on the conference webpage





It is important that all speakers make the effort to write the proceeding paper  
... to make the proceeding book a success as well

## mm Universe @ NIKA2

A series of bi-yearly conferences devoted to the science that can be done with the NIKA2 camera

... and with other mm instruments

... and at other (complementary) wavelengths

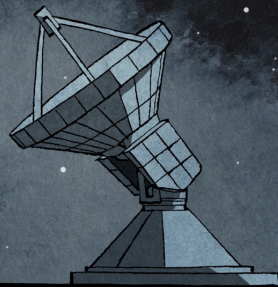
... and with the help of simulations, theory, new instruments.



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2019 June 3-7  
LPSC  
Grenoble  
FRANCE



This conference is dedicated to the scientific exploitation of the **NIKA2 camera** installed at the **IRAM 30-m telescope**

#### MAIN TOPICS

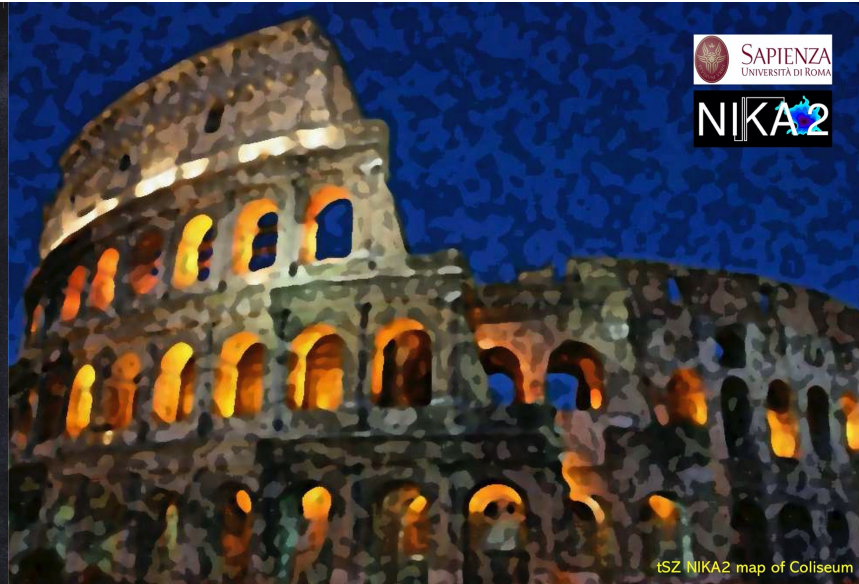
Cosmology with galaxy clusters  
Galaxy cluster science  
Galaxy formation in the early Universe  
Nearby galaxies  
Galactic star formation  
From dust to planets  
Instrumentation

#### LOCAL ORGANIZING COMMITTEE

Johana Paquien  
Andrea Catalano  
Florian Kéruzoré  
Juan Francisco Macías Pérez  
Frédéric Mayet  
Laurence Perotto

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Marco De Petris, Univ. Sapienza Rome  
Josep Miquel Girart, IEEC  
Guillaume Lagache, LAM Marseille  
Anaëlle Maury, CEA Saclay  
Frédéric Mayet, LPSC Grenoble - chair  
Alessandro Monfardini, I. Neel Grenoble  
Nicolas Ponthieu, IPAG Grenoble  
Rashid Sunyaev, Max Planck Garching



## Observing the millimeter Universe with the NIKA2 camera

Sapienza University, Department of Physics - Rome

28 June - 2 July 2021

The "mm Universe @NIKA2" Conference is organised by the Department of Physics at Sapienza University in Rome and held online via Zoom due to the current situation. We hope that the virtual format will allow all the interested participants to be able to take part! "mm Universe @NIKA2" is the second edition in a series of workshops dedicated to the scientific exploitation of the NIKA2 camera installed at the IRAM 30-m telescope (Pico Veleta, Spain) and opened to the scientific community to report about related targets, such as:

- Cosmology with clusters
- Galaxy cluster science (SZ, X, visible)
- Galaxy formation in the early Universe
- Nearby galaxies
- Galactic star formation
- From dust to planets
- Instrumentation, other mm-instruments.

Registration will open on 1st March 2021 until 16th May 2021. The mm Universe 2021 conference is funded by Sapienza University.

<https://agenda.infn.it/event/25056/>

#### International Scientific Committee

M. De Petris (Univ. Sapienza Rome) - *co-chair*  
J. M. Girart (IEEC Barcelona)  
G. Lagache (LAM Marseille)  
J. F. Lestrade (LERMA Paris)  
F. Mayet (LPSC Grenoble) - *chair*  
A. Monfardini (I. Neel Grenoble)  
N. Ponthieu (IPAG Grenoble)  
R. Sunyaev (MPIA Garching)  
G. Yepes (UAM Madrid)

#### Local Organizing Committee

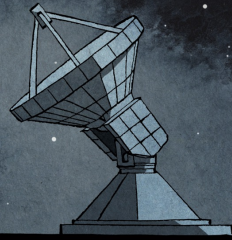
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A. Pallival



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## mm Universe @ NIKA2 3rd edition June 2023, Grenoble

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Thank you  
and  
see you in 2023