

New Perspectives in Millimeter Astronomy with IRAM telescopes

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The focus of the workshop is to introduce NOEMA now that phase 1 is completed and to restate the complementarity of the IRAM instruments for achieving major scientific projects. The format of the workshop includes invited presentations and discussion sessions.

The Agenda has been prepared in order to include both general talks describing the state of the art and the near perspectives, and discussion sessions, prepared by all participants.

All participants are invited to provide material for the discussion sessions by preparing short presentations (2 slides maximum, 1 slide preferred) that will be distributed in advance and could be used by the invited speakers. The slides can describe recent results, new science cases, scientific questions or any topic that can contribute to the discussions.

Suggestions using 1(2) slide(s) , to contribute to the presentations and discussions can be deposited at <https://mycore.core-cloud.net/index.php/s/cLIhJ061Q7CoVAf>

and downloaded at : <https://mycore.core-cloud.net/index.php/s/LfVGqQB3NKxmmaQ>

14h-14h30 : What is new at IRAM ? (Frédéric Gueth)

14h30-14h50 : Nearby (spatially resolved) galaxies (Cynthia Herrera) (20 min)

14h50-15h10 Understanding spectral lines from high z galaxies (Matthieu Béthermin) (20 min)

15h10-15h30 : Discussion 1st session, Extragalactic

15h30-16h Coffee break

16h20-16h40 : Molecular line spectroscopy as diagnostics of the ISM structure, dynamics, and chemistry (Aurore Bacmann) (20 min)

16h-16h20 : Polarization information : continuum & lines (Anaëlle Maury) (20 min)

16h40-17h10 : Discussion 2nd session Galactic (& Extragalactic)

17h10-17h30 : Discussion : actions and Summary

The expected outcome of the workshop is the creation of working groups for science projects using IRAM instruments, and possibly aiming at writing a white paper supporting new developments.