

REPORT ON THE RADIOPNET3 NETWORKING ACTIVITY

TITLE: MM/SUBMM ASTRONOMY IN THE ALMA ERA

DATE: 3-4 JULY 2014

TIME: WHOLE DAY

LOCATION: GENEVA, SWITZERLAND

MEETING WEBPAGE

http://eas.unige.ch/EWASS2014/session_display.jsp?id=S10

HOST INSTITUTE:

International Conference Centre Geneva (CICG)

PARTICIPANTS NO:

39

MAIN LEADER:

ESO

REPORT:

1. Agenda of the meeting

A printed version of the program is attached.

See also <https://events.kuoni-dmc.com/ei3/images/EWASS14/Program/S10.htm>.

In addition to the 24 talks, there were 15 poster presentations at the workshop (<https://events.kuoni-dmc.com/ei3/images/EWASS14/Program/Posters/S10.htm>).

2. Scientific Summary

Over the last decades, Europe has played a key role in the mm/submm field with facilities like IRAM (Pico Veleta 30m, Plateau de Bure interferometer), the JCMT, or APEX. Nowadays, with the advent of ALMA, the Atacama Large Millimeter/Submillimeter Array, which started to operate in September 2011, the mm/submm astronomy is entering in a new era.

The meeting consisted of 5 sessions with a mix of review and contributed talks given generally by young scientists. One session was dedicated to the discussion of the road map of mm/submm astronomy in Europe for the near future, with presentation of the status and development plans of the major facilities (ALMA, IRAM/NOEMA...). This gave the opportunity to present and discuss the present and future of these instruments in front of a wider audience than the mm/submm community. This session ended with an informal discussion (round table) between people involved in these instrumental projects and the (potential) users participating to the meeting.

3. Attendance list (incl. participant names, affiliation and country) signed by the participants and confirmed by the organizer

The workshop was attended by 39 researchers that specifically registered for this EWASS2014 symposium; a few additional EWAS2014 attendees participated part time.

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4. Financial Report / RadioNet3 contribution

Radionet3 funding (300 €) was used to support the participation of the student Livia Vallini (reimbursement of the EWASS2014 registration fee).

5. Conference Proceedings and Web page

There will be no proceedings the workshop. Webpages are part of the EWASS2014 webpages:
http://eas.unige.ch/EWASS2014/session_display.jsp?id=S10

All abstracts of talks and posters are available online on the website.

Symposia 10

mm/submm astronomy in the ALMA era

Thursday, July 3rd

Time	Paper
1100 - 1130	99 Melanie Krips Molecular Gas at High Z
1130 - 1200	221 Emanuele Daddi An empirical view of the evolution of the star formation and gas content in galaxies through cosmic time
1200 - 1220	330 Kirsten K. Knudsen ALMA and IRAM observations of gravitationally lensed high-z submm galaxies
1220 - 1240	151 Miroslava Dessauges Stars, gas and dust in strongly-lensed z~2 star-forming galaxies sampling the lower end regime of IR luminosities
1240 - 1300	53 Claudia Lagos Which galaxies dominate the neutral gas content of the Universe?

LUNCH BREAK

Time	Paper
1400 - 1430	525 Sharon Meidt Molecular Probes of Feeding and Feedback Activity in Nearby Galaxies
1430 - 1450	165 Viviana Casasola The Star-Formation Law at its intrinsic spatial scale: a preview of ALMA results
1450 - 1510	40 Santiago Garcia-Burillo NGC1068 imaged by ALMA: an AGN-driven outflow in the dense molecular gas
1510 - 1530	271 Mikako Matsuura ALMA observations of supernova 1987A

COFFEE BREAK

Time	Paper
1600 - 1630	329 Paola Caselli The ISM chemistry: today and tomorrow with ALMA

1630 - 1650	250 Matthias Maercker The evolution of the stellar wind and recent thermal pulse in the AGB star R Sculptoris revealed by ALMA
1650 - 1720	63 Jeremie Boissier Comets and minor bodies of the Solar System in the sub-mm range
1720 - 1750	337 Arielle Moullet Studying Solar System atmospheres with ALMA: planets, moons and beyond

Friday, July 4th

Time	Paper
1100 - 1120	551 Leonardo Testi ALMA Development Plan
1120 - 1140	555 Karl-Friedrich Schuster IRAM and the NOEMA Project
1140 - 1200	420 Huib van Langevelde Millimetre and Submillimetre VLBI with ALMA
1200 - 1220	314 Friedrich Wyrowski SOFIA and APEX in the ALMA Era
1220 - 1300	- Moderated Discussion
12.30 - 14.00	LUNCH BREAK
Time	Paper
1400 - 1430	472 Maite Beltran Low and high-mass star formation: similarities and differences
1430 - 1500	126 Michiel Hogerheijde From protoplanetary disks to debris disks: formation and evolution
1500 - 1520	266 Claudio Codella The HH212 protostar as observed by ALMA: the jet, the cavity, and the forming disk

15.30 - 16.00	COFFEE BREAK	
Time	<i>Paper</i>	
1600 - 1620	414 Ke Wang A Proto-cluster in the Making: Views from SMA and ALMA	
1620 - 1640	359 Roberto Galvan-Madrid A Multi-Scale Survey of the W49A Young Massive Cluster in the Making	
16.00 - 17.20	1640 - 1700 291 Audrey Coutens Water deuterium fractionation in low-mass protostars	
	1700 - 1720 326 Anaelle Maury Shedding light on the formation processes of disks and multiple systems: small-scale properties of Class 0 protostars from the CALYPSO IRAM-PdBI survey	

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