

LLAMA Science Workshop

Program

Tuesday September 26th

Session 1: LLAMA Overview and Updates

9:00 - Jacques Lépine (IAG): *Update and perspectives of the LLAMA project*

9:30 - Thijs de Graauw (ESO/IAG-USP/ASC-LPI): *The role of LLAMA in the era of ALMA: complement and synergy*

10:00 - Coffee Break

Session 2: Interstellar and Circunstellar Astrophysics

10:30 - Zulema Abraham (IAG): *Maser Effect in Atomic Recombination Lines at LLAMA/ALMA bands 5 and 9*

10:50 - Isabel Aleman (IAG): *The Molecular Inventory of the Circunstellar Medium Around Old Stars*

11:10 - Daniel Moser (IAG) / Amanda Rubio (IAG): *Probing Be star disks with LLAMA*

11:30 - Beatriz Fernandes (IAG): *The star-formation activity in CMa OB1*

11:50 - Session Discussion

12:10 Lunch time

Session 3: Extragalactic

14:00 - Thiago Gonçalves (Observatório do Valongo): *The ISM of metal-poor galaxies with LLAMA*

14:20 - Marco Grossi (Observatório do Valongo): *A LLAMA survey of the Fornax cluster*

14:40 - Pedro Paulo Beaklini (IAG): *Quasar Monitoring*

15:00 - José Ademir Lima (IAG): *Ultra Compact Extragalactic Radio Sources and Cosmology*

15:20 - Laurie Riguccini (Observatório do Valongo): *Environmental effects on molecular gas in transition-phase galaxies in the Coma cluster probed with LLAMA*

15:40 - Karín Menéndez-Delmestre (Observatório do Valongo): *Gas Consumption in Merging Galaxies with LLAMA*

16:00 - Session Discussion

16:20 - Coffee Break

Session 4: Solar Observations

16:50 - Joaquim Costa (INPE): *Beam profile determination using solar observations for LLAMA*

17:10 - Guigue de Castro (Mackenzie): *A Solar program for LLAMA early science*

17:30 - Sandra Cuellar (INPE): *Study of magneto-acoustic waves in the solar chromospheres*

17:50 - Caius Lucius Selhost (NAT/UCS): *The Polar Brightening at millimeter/submillimeter wavelengths*

18:10 - Alexandre Oliveira e Silva (UNIVAP): *Perspectives with the use of LLAMA in analysis of the chromospheric atmospheric models*

18:30 - Session Discussion

Wednesday September 27th

Session 5: Netherlands General Overview

9:00 - Wilfried Boland (NOVA/Leiden University): *An overview of astronomy in the Netherlands and NOVA's place in it*

9:30 - Floris van der Tak (SRON/U. Groningen): *Overview of mm and submm astronomy in the Netherlands*

10:00 Coffee Break

Session 6: Astrochemistry and Star Formation I

10:30 - Bertrand Lefloch (IPAG): *Astrochemistry with LLAMA*

10:50 - Eduardo Janot (IAG): *Observing Pre-biotic Molecules with LLAMA*

11:10 - Heidy Lara (Observatório do Valongo): *Identification of complex organic molecules in the protostellar region NGC 1333-IRAS 4A*

11:30 - Antônio Arapiraca (CEFET-MG): *Synthetic spectra to support search for deuterated benzene isotopologues using LLAMA radiotelescope*

11:50 - Session Discussion

12:10 - Lunch Time

Session 7: Astrochemistry and Star Formation II

14:00 - Cristina Cappa (IAR-CONICET/FCAG-UNLP): *Molecular studies and star formation towards HII regions, infrared and WR bubbles*

14:20 - Nicolas Duronea (IAR): *A molecular survey of Galactic hot molecular cores with LLAMA*

14:40 - Edgar Mendoza (IAG): *Studies of Galactic Hot Molecular Cores with LLAMA*

15:00 - Carla Canelo (IAG): *Search for interstellar emission of N-heterocycles: a program with LLAMA band 5*

15:20 - Session Discussion

15:40 - Coffee Break

Session 8: Galactic Astronomy: ISM and structures

16:10 - Maria Cunningham (UNSW): *Interpreting large, multi-molecular-line datasets of the molecular ISM*

16:30 - Shaila Akhter (UNSW/CSIRO) *Tracing the Galactic bar through dense molecular cores with broad emission spectra*

16:50 - Felipe Navarete (IAG): *Characterization of the mid-J CO emission towards an ATLASGAL-selected high-mass clumps in the inner Galaxy*

17:10 - Session Discussion

Session 9: Closing

17:30 - General Overview and final remarks.