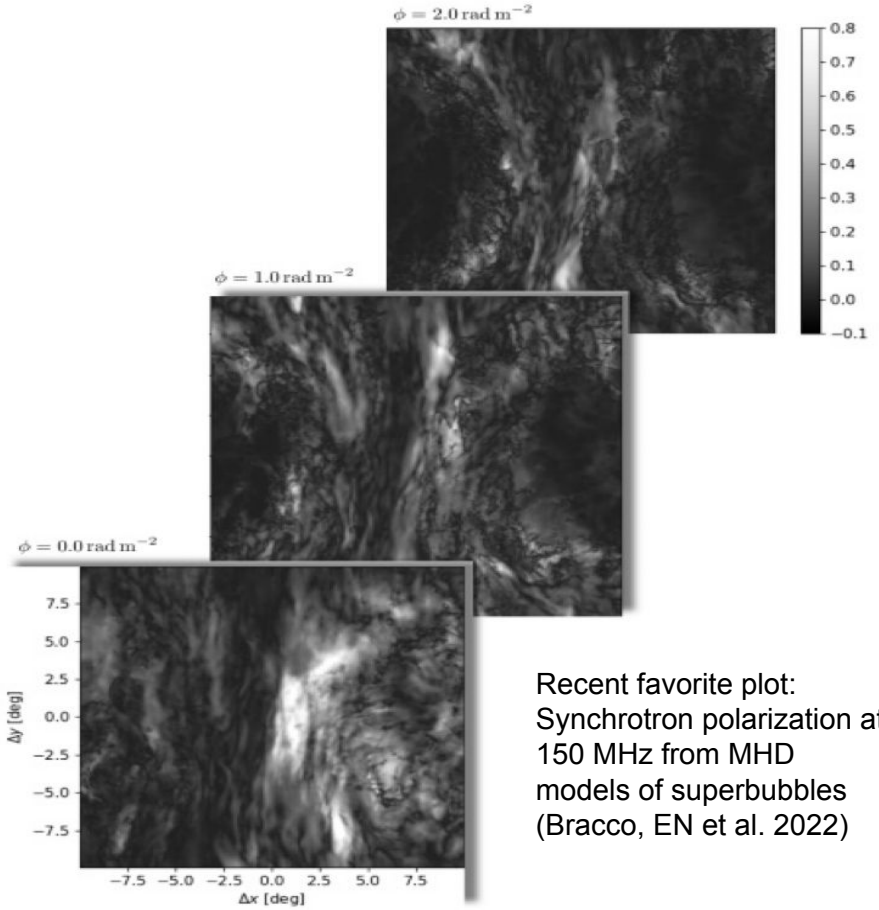
Evangelia (Eva) Ntormousi, Scuola Normale Superiore di Pisa, Italy evangelia.ntormousi@sns.it

Scientific Interests:

- MHD numerical simulations
- Interstellar turbulence
- Star formation and feedback
- Galactic dynamos

Brief CV:

PhD: 2012 from LMU Munich
2012-2017 CEA (Saclay) with Philippe Andrè and Patrick Hennebelle
2017-2020 FORTH (Heraklion) Marie Curie fellow with Konstantinos Tassis
2020-2023 SNS (Pisa) with Andrea Ferrara
2023-onwards Assistant Professor at SNS (Pisa)



Recent favorite plot: Synchrotron polarization at 150 MHz from MHD models of superbubbles (Bracco, EN et al. 2022)

Patrice Theulé, Laboratoire d'Astrophysique de Marseille, France patrice.theule@univ-amu.fr

Scientific Interests:

- galaxy and AGN line emission modeling
- high-redshift galaxy interstellar medium
- atomic and molecular spectroscopy
- laboratory astrophysics

Brief CV:

PhD: 2003 Ecole Polytechnique Fédérale de Lausanne with Prof. T. Rizzo
2003-2005 CfA (Harvard, USA) with Prof. P. Thaddeus and Dr. M.McCarthy
2005-2013 assistant professor, Aix-Marseille University (France)
2013-onwards associate professor, Aix-Marseille University (France)

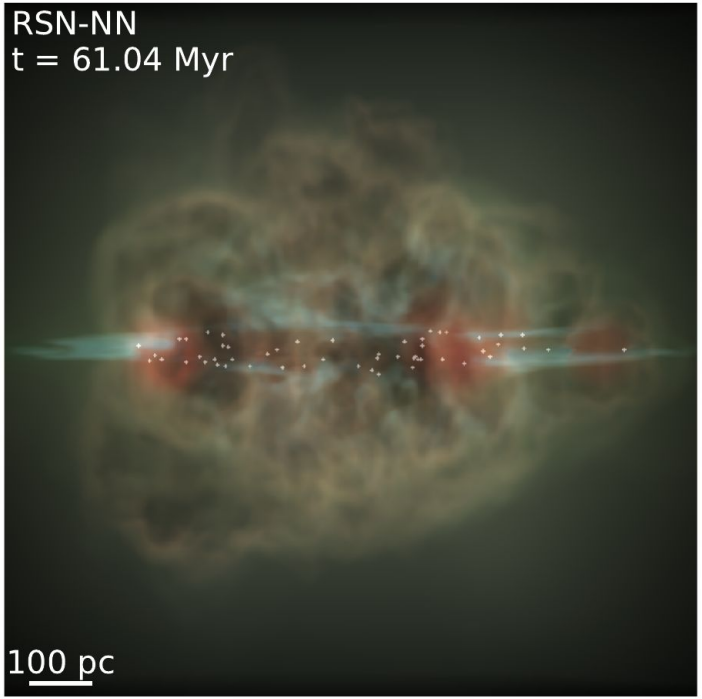
Pierre Colin Nürnberger
University of Cologne, Germany
nuernb@ph1.uni-koeln.de

Scientific Interests:

- MHD numerical simulations
- Star formation and stellar feedback of massive stars
- Evolution of dwarf galaxies and ISM
- Radiative transfer / synthetic observations

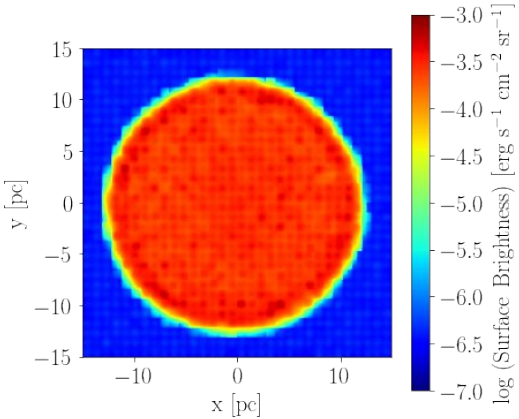
Brief CV:

BSc: 2018 at University of Cologne
MSc: 2022 at University of Cologne
PhD: 2022 - now at University of Cologne



Volume render of three hydrogen species in one of our simulated dwarf galaxy. Ionised hydrogen in red, atomic hydrogen in green and molecular hydrogen in blue. White dots represent our stellar clusters.
Nürnberger, PC et al. (in prep.)

Yuankang Liu
Institute for Computational Cosmology
Durham University, England
yuankang.liu@durham.ac.uk



Hα surface brightness of a Strömgren sphere simulated by SWIFT-RT

Durham University
Institute for Computational Cosmology

DiRAC

Scientific Interests:

- Stellar feedback from massive stars
- Radiative transfer
- Emission line diagnostics
- Radiation hydrodynamic simulations (SWIFT-RT & CHIMES –> RADMC-3D)
- Comparison with MUSE IFU datacube

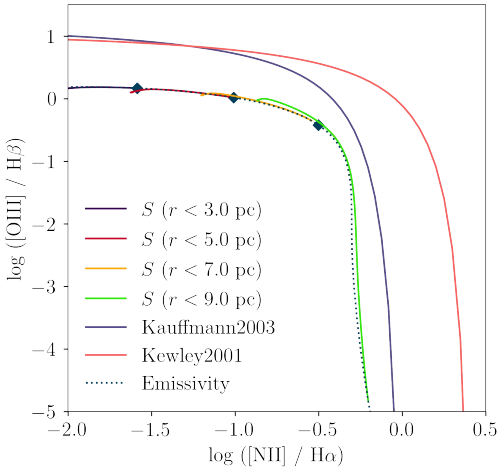
Schaller+16

CHIMES
CHemistry of the Interstellar Medium and Extragalactic Sources

Richings+14, 16

Brief CV:

2016 - 2018: BSc at the University of Manchester
2018 - 2021: MSc at ETH Zürich & Universität Zürich
(Supervised by Romain Teyssier & Simon Lilly)
2021 - 2022: MScR at Durham University
2022 - : PhD student at Durham University
(Supervised by Tom Theuns & Anna McLeod)



Simulated H II region on a BPT diagram (Cloudy predictions)

Christina Willecke Lindberg

Johns Hopkins University
4th-year Graduate Student
christina.lindberg@live.com

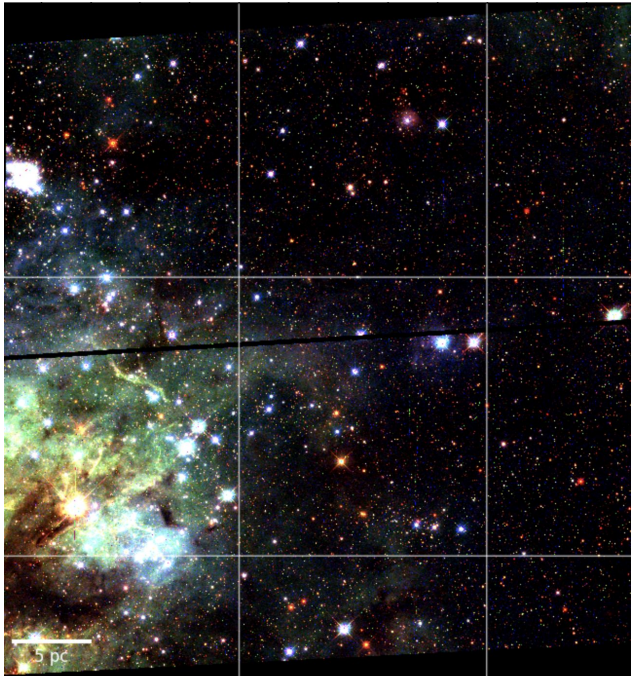
Thesis topic**: stellar photometry as probes to study the ISM in Local Group galaxies**

- ***PHAT****:* Local ISM around massive star in M31
- ***Scylla***: multi-band photometry in the Magellanic Clouds
  - Fitting stellar+dust models to SEDs (BEAST)
  - Combining tracers of ISM to learn about 3D/6D dynamics

Brief CV:

B.S. (2015-2018) University of Washington

Ph.D. (2019-current) Johns Hopkins University



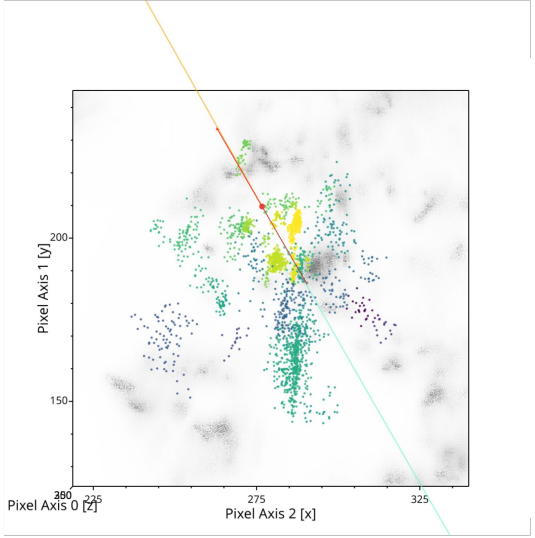
Three-color image of Scylla field in the SMC

Bore Gao (Annie)

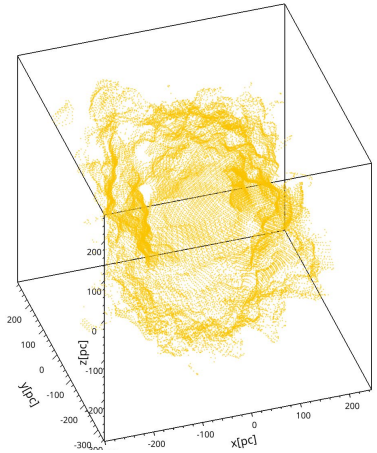
bgao6@jhu.edu

Johns Hopkins University

2nd year graduate student

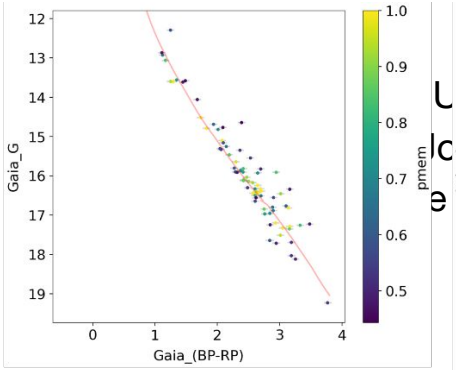


Zeta Puppis movement trace

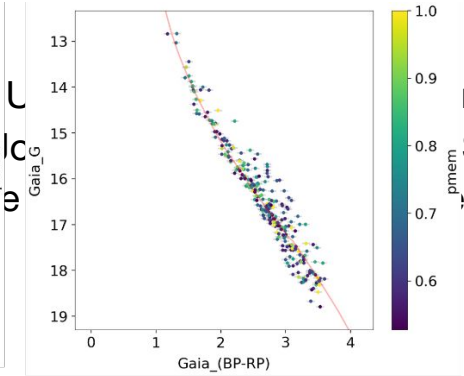


Research interest

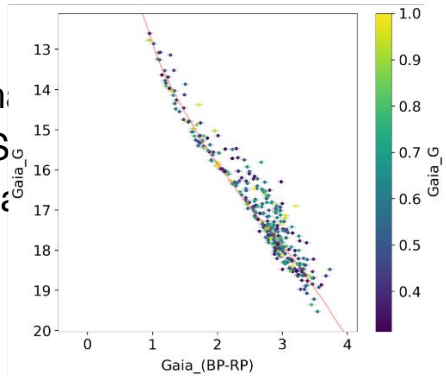
- Triggered star formation evidences in ISM
- Solar neighborhood ISM 3D dust mapping
- Stellar feedbacks
- Molecular cloud morphology and dynamics



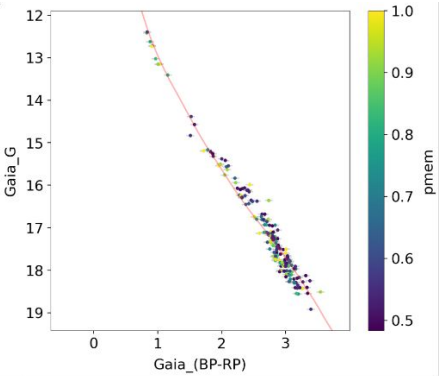
Log_a = 7.161



log_a = 7.119



log_a = 7.202



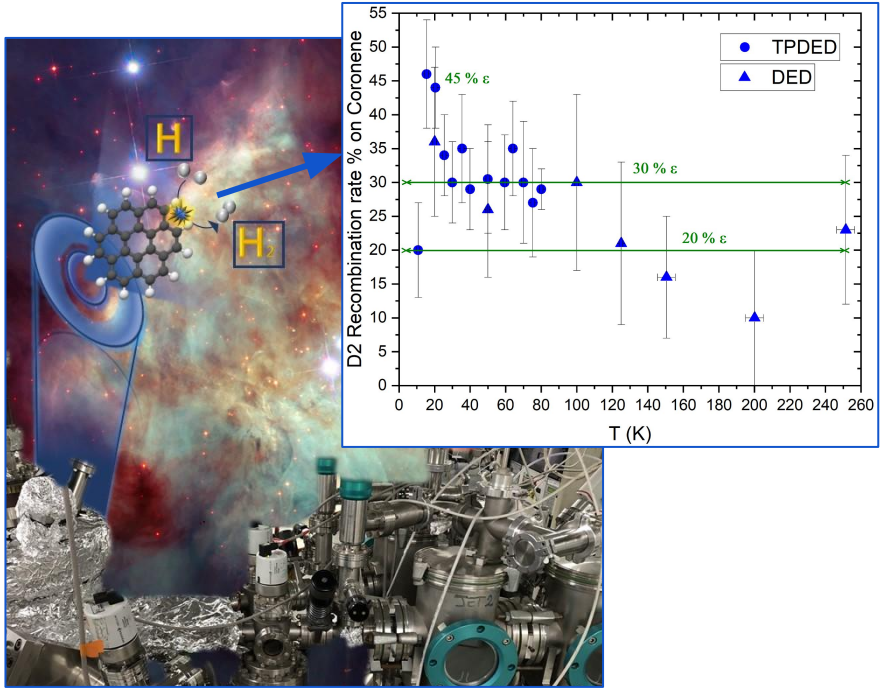
log_a = 7.225

Francesco Grieco (IT), 3rd year PhD student
Department of Astronomy (S9), University of Ghent (BE)
Francesco.Grieco@UGent.be

Scientific interests:

- Laboratory exp (Surface phys/chem, QMS)
  - Dust grains analogues and main ISM gas-phase species interactions
  - Ice mantle, grain growth
- Model
  - Elemental depletions, grain growth
  - Diffuse to Translucent to Dense Clouds

High T formation of H_2 on Carbonaceus Dust Grains



CV

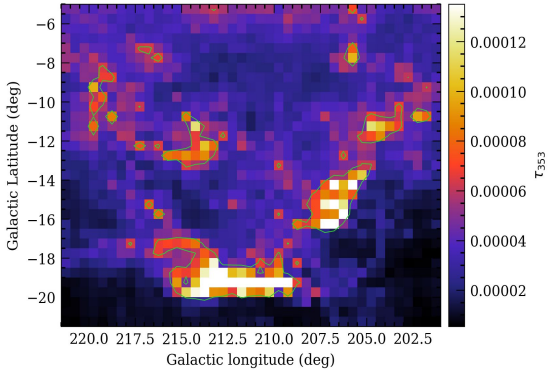
- BSc (2018): Chemistry, University of Bologna (ITA)
- MSc (2020): Physical-Chemistry (SERP+) University of Paris Saclay (FR) & University of Porto (PT)
- PhD (2020-2024): Astrochemistry, UGent (BE) & CYU-LERMA (FR)

Barnabé Déforêt, Institut UTINAM, University of Franche-Comté, France
barnabe.deforet@univ-fcomte.fr

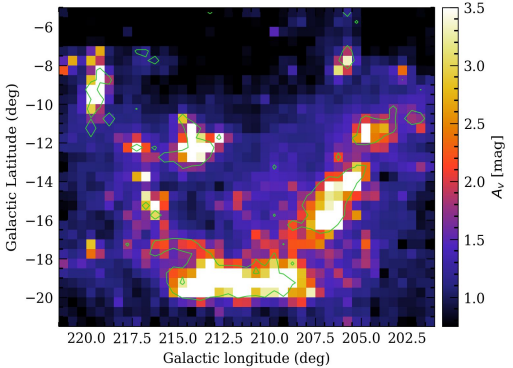
Scientific Interests

- ISM structure
- Galactic structure
- 3D interstellar extinction mapping
- Gaia mission
- Numerical simulations

Planck opacity at 353 GHz for the Orion region



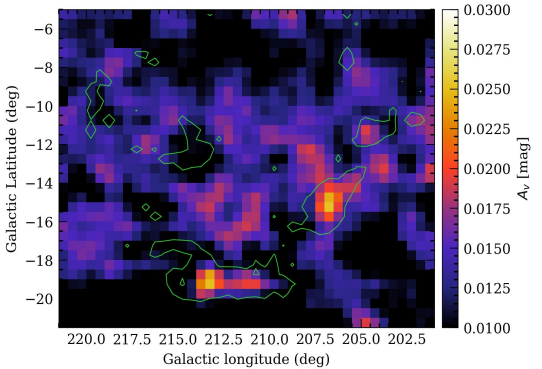
2MASS Integrated extinction map



Brief CV

- BSc (2020): Physics at the University of Franche-Comté, France
- MSc (2022): Computational Physics at the University of Franche-Comté, France
- Phd (now to 2025): Astrophysics at the UTINAM Institut, university of Franche-Comté, France (3D extinction mapping of the Milky Way with the Besançon Galaxy Model in the Gaia era)

Our first GAIA Integrated extinction map



Scientific interests

Blue Compact Dwarfs (BCD)

Interstellar medium

Star Formation

Active Galactic Nuclei (AGN)

Brief CV

2017-2020: Bachelor Astronomy Leiden University

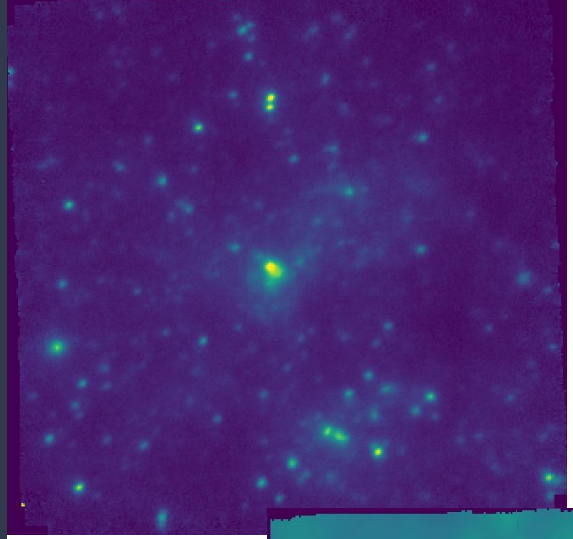
2020-2022: Master Astronomy Leiden University
Research project ESA/ESTEC

June 2023 - now: PhD Leiden Observatory with Ana Monreal Ibero

Brigitte Pruijt

Email: pruijt@strw.leidenuniv.nl

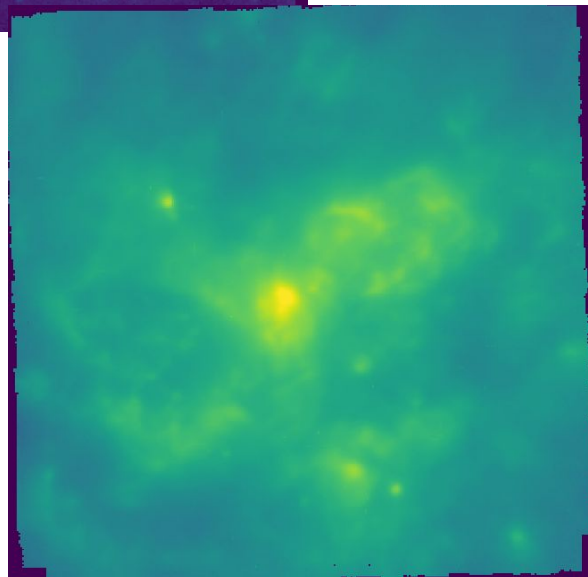
Sterrewacht Leiden



NGC 5253

D ~ 3.8 Mpc
M_HI ~ 1.4e8
$Z/Z_{\odot}$ ~ 0.3

Kobulnicky+1999
Sakai+2004
Kobulnicky+Skillman 2008



Elia Cenci

Institute for Computational Science
University of Zurich
elia.cenci@uzh.ch

Scientific Interests:

- **Galaxy formation and evolution**
- Star formation across redshift
- Galaxy morphologies
- Numerical simulations

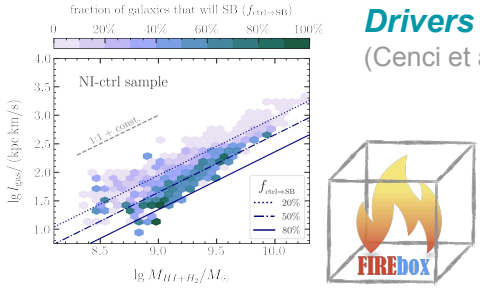
Brief CV:

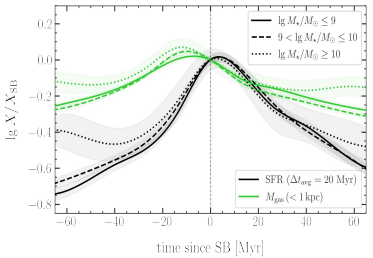
- **2015 - 2018** : **BSc** in Physics at the University of Milano-Bicocca
  Thesis: *Nuclear Matter and Structural Properties of Neutron Stars*
- **2018 - 2020** : **MSc** in Astrophysics at the University of Milano-Bicocca
  Thesis: *Black Hole Spin Evolution in Warped Accretion Discs*
- **2020 - present** : **PhD** at the University of Zurich (advisor: Prof. Robert Feldmann)

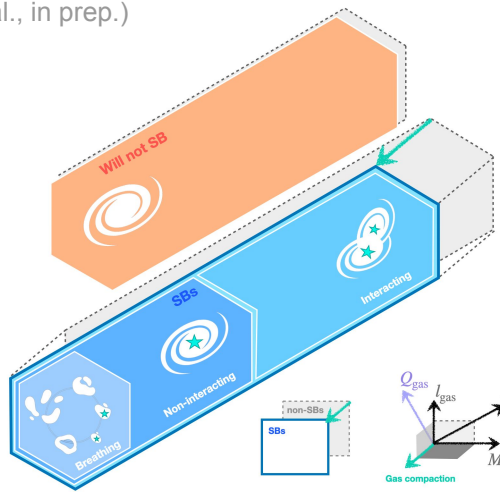
My research

Drivers of Starbursts in Galaxies

(Cenci et al., in prep.)

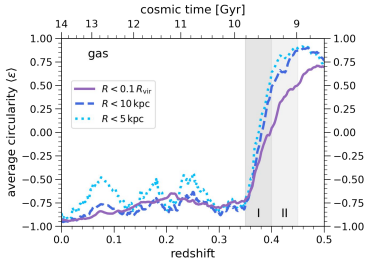


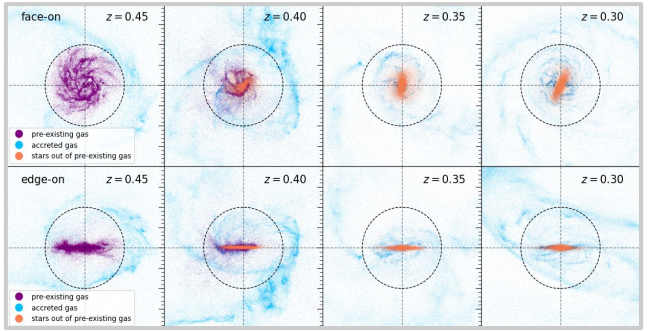




Kinematic Misalignment via merger-driven Starbursts

(Cenci et al., in prep.)





Tanita Ramburuth-Hurt
3rd year PhD student
University of Geneva, Switzerland
tanita.ramburuth-hurt@unige.ch

Scientific Interests:

- Chemical diversity of the ISM
  - The Milky Way
  - DLAs
- Galaxies in absorption
- Dust and dust depletion
- Galactic gas cycles

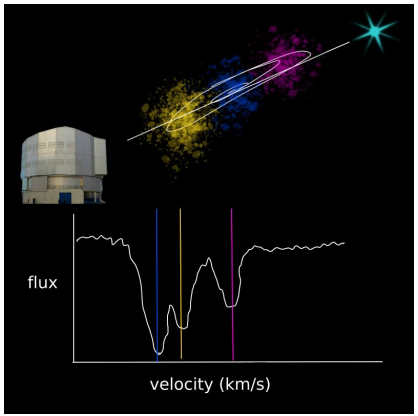
Brief CV:

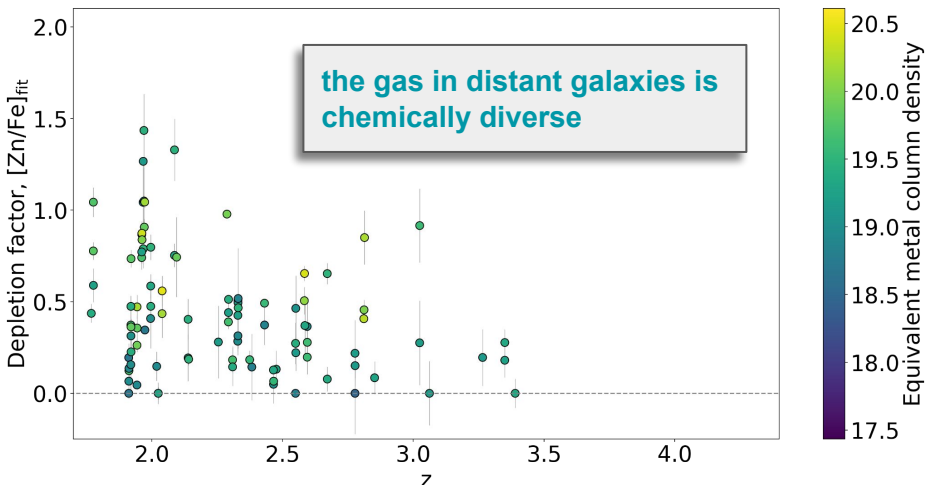
BSc: Wits University, Johannesburg, South Africa
MSc: Wits University, Johannesburg, South Africa
PhD (current): University of Geneva, Switzerland

Chemical diversity of gas in distant galaxies

A study of 64 DLAs between redshifts $1.7 < z < 4.2$

(Ramburuth-Hurt et al. 2023)





Mikhail de Villiers
2nd year MSc Student
UCT/SAAO, South Africa
mikhail@saao.ac.za

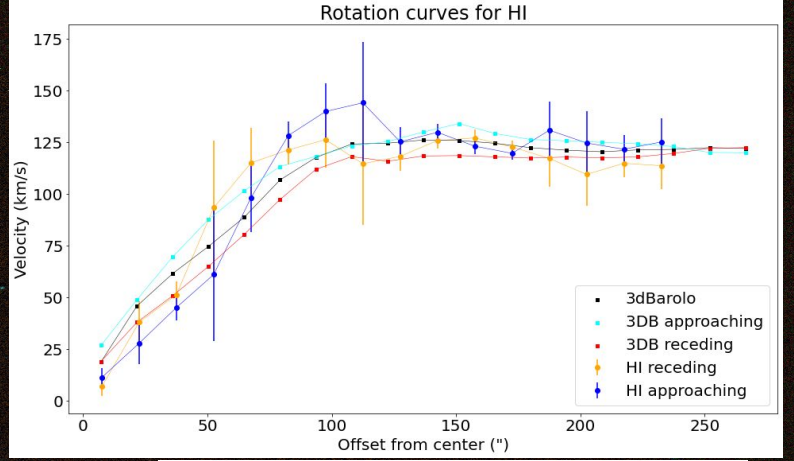
Dissertation: Probing for optical and radio diffuse gas in MHONGOOSE galaxies

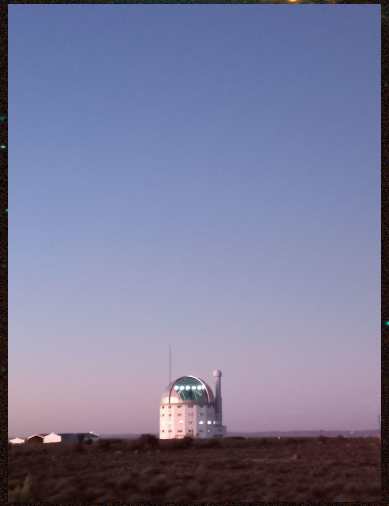
Research interests:

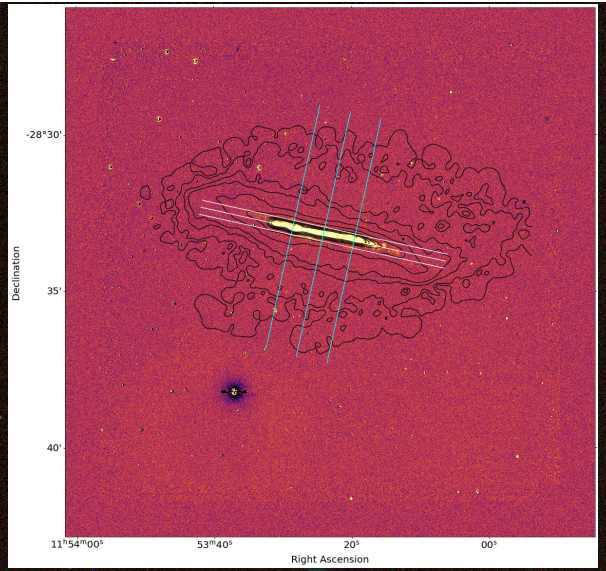
- Extragalactic astrophysics
- Galaxy kinematics
- Extraplanar gas
- Multi-wavelength astronomy

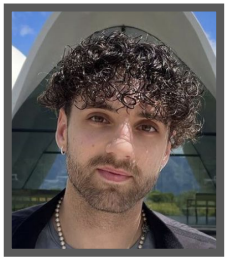
Brief CV:

- BSc: UCT
- BSc Hons: UCT
- MSc: UCT/ SAAO (current)









Henco Arlow

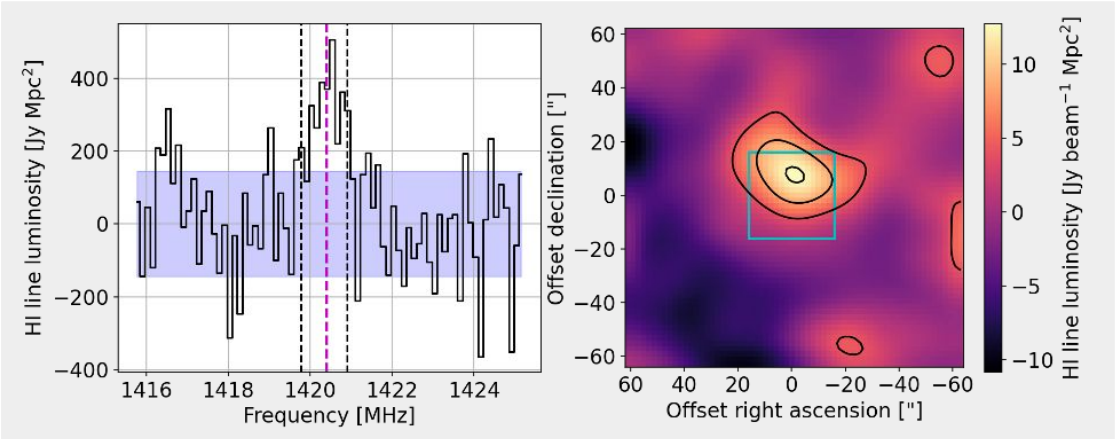
MSc Student
University of Cape Town, South Africa
ARLHEN001@myuct.ac.za

Thesis: The gas content of Luminous Compact Blue Galaxies in the COSMOS field.

Scientific Interests:

- Galaxy Evolution
- Starburst galaxies
- HI Emission
- Radio Continuum Emission

Recent favorite plot:
A spectrum and column density map of a stacked HI detection in the COSMOS field.



Brief CV:

2018 - 2020: BSc in Physics and Astrophysics at the University of Cape Town

2021: BSc Hons in Physics at the University of Cape Town

2022 - 2023: MSc in Astronomy at the University of Cape Town (Supervisor: Prof. D.J. Pisano)

Jia Wei TEH

jiaweiteh.astro@gmail.com

Now

PhD @Heidelberg Uni., Germany
R. Klessen, S. Glover, K. Kreckel
Simulating star cluster feedbacks in embedded clouds

Then

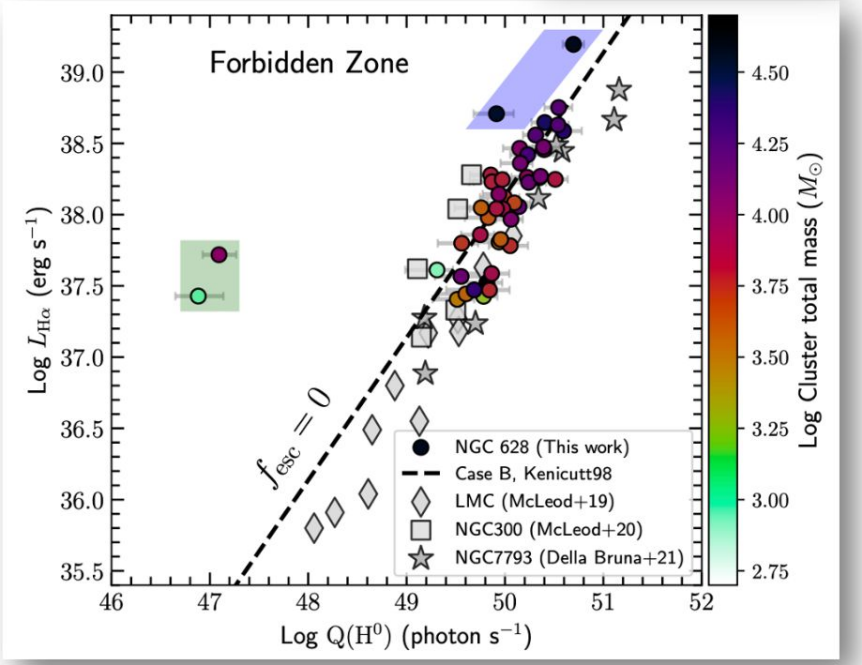
BSc (Hons) @ANU, Australia
K. Grasha, M. Krumholz, A. Battisti
Escape fraction of ionising photons in NGC 628

Research Student
@Leiden Uni., Netherlands A. Bemis
@CAS Swinburne, Australia T. Nanayakkara
@CSIRO, Australia N. Gupta

Interest

Scientific:
Star formation, physics of the ISM

Non-scientific:
Music (piano), bouldering, racket sports



Teh et al., 2023

Martín Solar
2nd year PhD student
Adam Mickiewicz University
martin.solar@amu.edu.pl

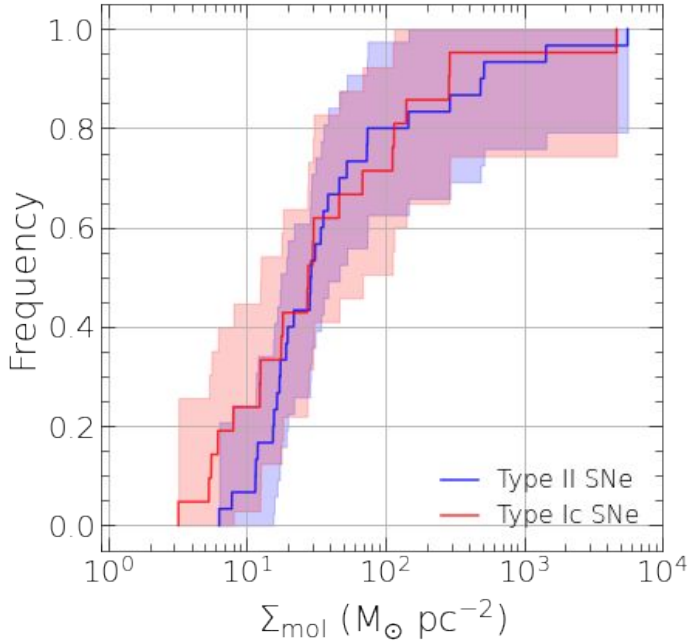
Scientific Interests:

- Supernovae
- Interstellar medium
- Massive stars

Brief CV:

2014 - 2018 → BSc at Andrés Bello University, Chile
2019 - 2020 → MSc at University of Valparaíso, Chile
2021 - Now → PhD student at Adam Mickiewicz University, Poland

Binary progenitor systems for Type Ic supernovae

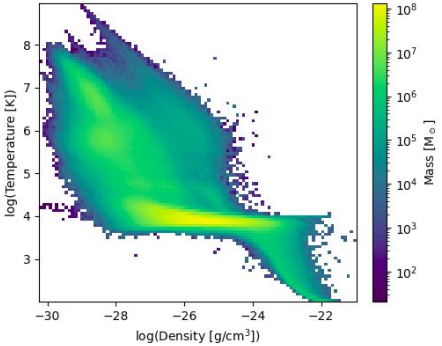


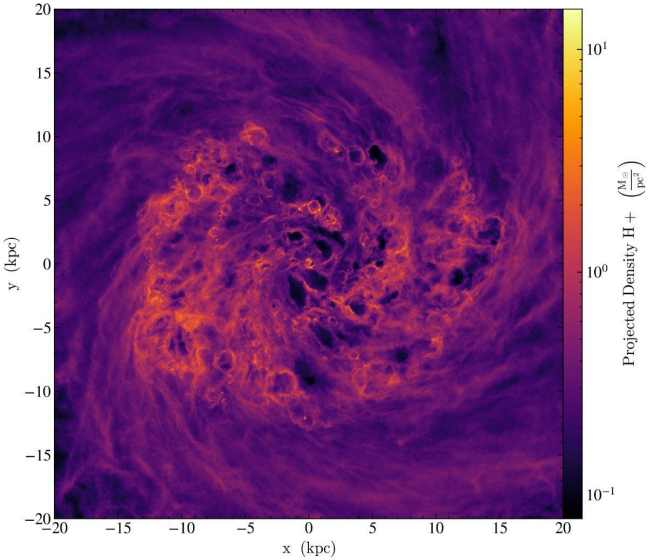
Junia Göller

2nd year PhD student
Heidelberg University, Germany
junia.goeller@uni-heidelberg.de

Scientific interests:

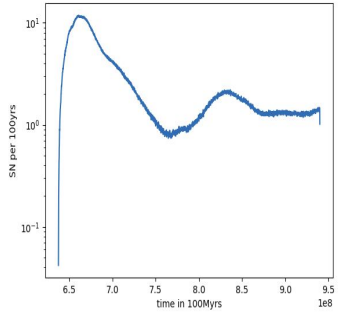
- MHD simulations
- MW simulations
- Star formation
- Stellar feedback in galaxies





CV:

2015-18: BSc (Physics) at Heidelberg University, Germany
2018-19: Break from Physics, Hebrew University, Israel
2019-21: MSc (Physics) at MPI for Astronomy and Heidelberg University, Germany
2021-Now: PhD at Institute for Theoretical Astrophysics, ZAH, Heidelberg, Germany



Vianney **Lebouteiller**

CNRS researcher
AIM, CEA Saclay, France
vianney.lebouteiller@cea.fr

Vianney

Bad French singer, an impostor

Scientific interests

- Extremely low-metallicity galaxies, first stars and galaxies, escape fraction of ionizing photons, compact objects in dwarf galaxies…
- Far-UV and IR observations of star-forming regions and galaxies
- Preparation of future missions (HWO, BlueMUSE, PRIMA…)
- Models of spatially-unresolved galaxies

Things I care about

- PI of spectral atlas CASSIS for *Spitzer*/IRS (*http://cassis.sirtf.com*)
- Co-developer of Bayesian code MULTIGRIS to infer parameters from model grids (*https://gitlab.com/multigris*)
- Accompanying (all/any) students through the PhD journey
- Soft skills recognition in fundamental research
- Use of free, open-source, and ethical software/hardware

Brief CV:

- 2005 PhD at IAP, Paris, France → *UV absorption spectroscopy of nearby galaxies with FUSE and HST, chemical abundances*
- 2005-2009 Post-doctorate at Cornell University , USA → *Mid-IR emission spectroscopy of PDRs in nearby galaxies, stellar feedback*
- 2010-2014 Post-doctorate at CEA Saclay, France → *Far-IR emission spectroscopy of galaxies, thermal processes in the ISM*
- 2014- CNRS researcher at AIM, CEA Saclay, France → *Multi-wavelength observations and models of galaxies, ISM, star-formation, and feedback*

Other interests

Elias K. Oakes

PhD student at the University of Connecticut (USA)
Advisor: Christopher Faesi
Email: elias.oakes@uconn.edu

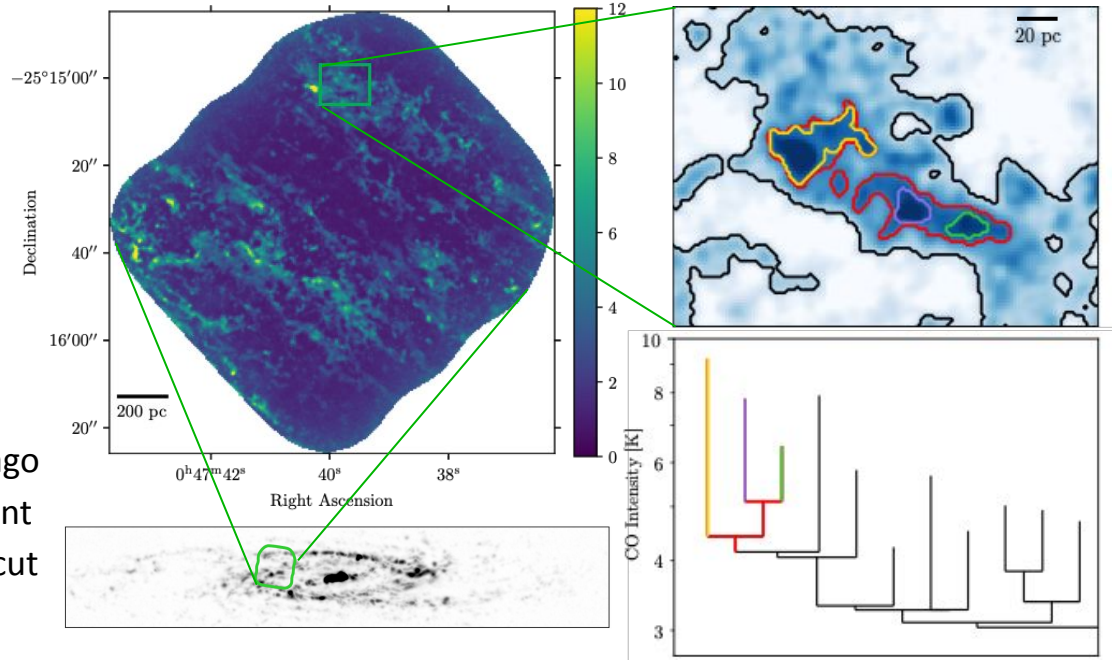
Scientific interests:

- Star formation ↔ molecular gas
- ISM structure and hierarchy
- High-res extragalactic surveys (PHANGS)

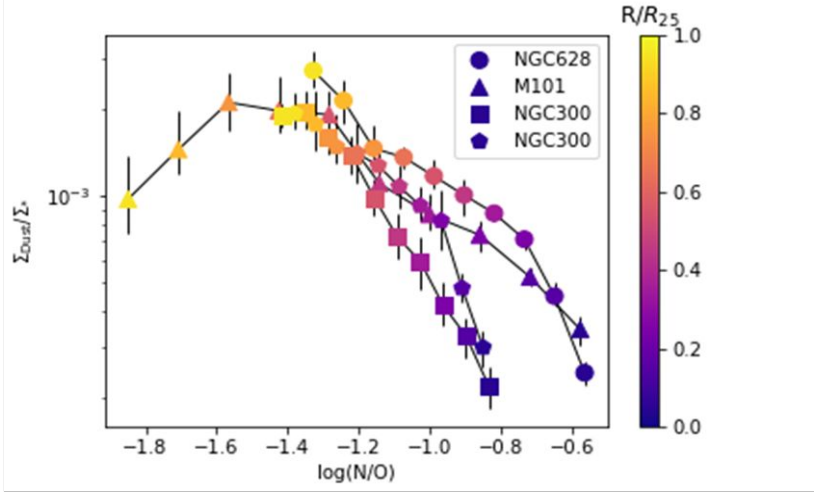
Brief CV:

2016 - 2020: B.A., B.S. at University of Chicago
2020 - 2021: Technician for ATLAS experiment
2021 - now: Ph.D. at University of Connecticut
(visiting MPIA in Heidelberg this Fall)

High-res, wide-field CO in NGC 253: dendrogram decomposition



Stefan van der Giesssen
Institutes: Ghent University & Universidad de Granada
Supervisors: Dr. Ilse De Looze & Monica Relaño Pastor
Stefan.stefananthonyvandergiessen@ugent.be



Scientific interests

- Metal variaton in galaxies
- Dust formation and destruction
- Star-formation on extragalactic scales
- Formation of CO and complex molecules

CV

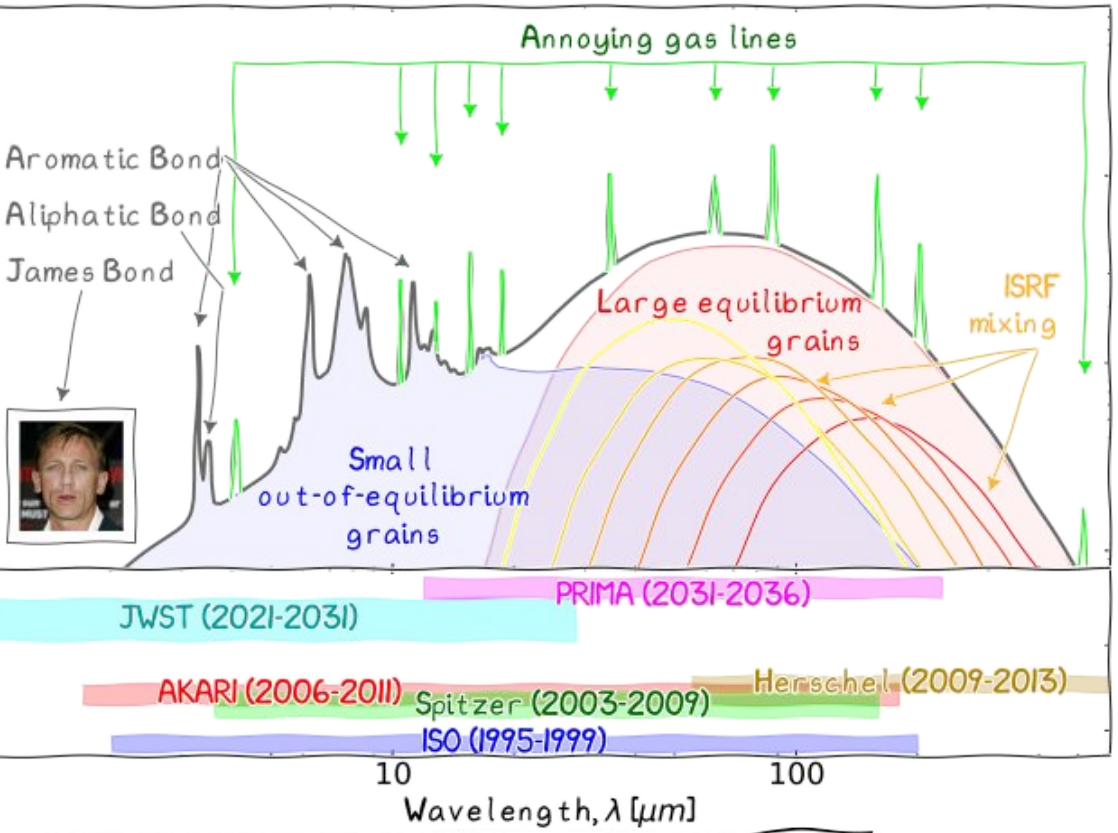
- BSc Sterrenkunde & BSc Natuurkunde @Leiden 2017 - 2019
  - Project “Evolution of compact starforming regions” 2018
  - Bachelor project “Formation of peptide-like bonds on protoplanetairy dust grains” 2019
- MSc Astronomy, specialisatie “cosmology” @Leiden 2019 - 2021
  - Master project 1 “Relation between the dust distribution and star-formation in galaxies” 2019-2020
  - Master project 2 “Galaxies in a CDM and WDM universe” 2020-2021
- PhD student sterrenkunde @Gent & Granada 2021 -
  - Project “Chemical evolution of dust and metals in galaxies”
  - Teaching assistent 2nd year BSc course “Galaxies”
- Other
  - Scoutsleader 2016 - 2021
  - General board member organisation “Scouting Van Brederode” 2023 -

Frédéric GALLIANO, ISMologist

(CEA Paris-Saclay, France)
frederic.galliano@cea.fr
https://irfu.cea.fr/Pisp/frederic.galliano/

SCIENTIFIC INTERESTS:
- ISMism
- Nearby galaxy viewpoint
- Cosmic nanoparticles (dust)
- Pragmatic Bayesianism

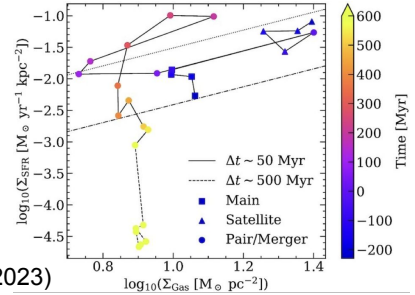
=> understand galaxy evolution



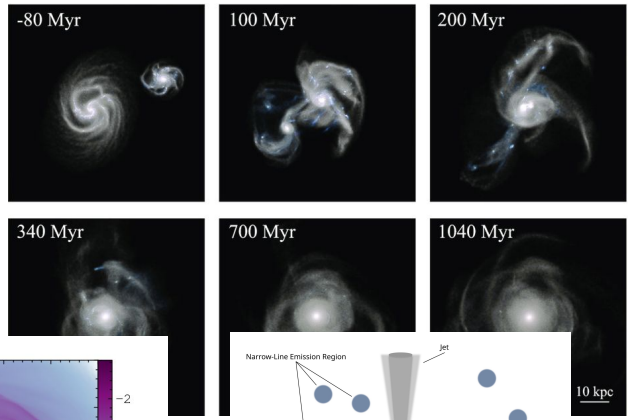
BRIEF CV:
- 2000-2004: PhD student @ CEA Saclay (🇫🇷)
- 2004-2008: Postdoc @ NASA/GSFC & UMd (🇺🇸)
- 2008-present: CNRS staff @ CEA Saclay (🇫🇷)
- 2023: GISM2 secretary, accountant, travel agent, French bureaucracy liaison, etc.

Jonathan Petersson

1st year PhD Student
GALSPEC, EPFL, Switzerland
jonathan.petersson@epfl.ch



Petersson et al. (2023)

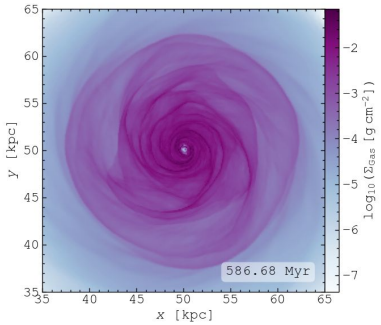


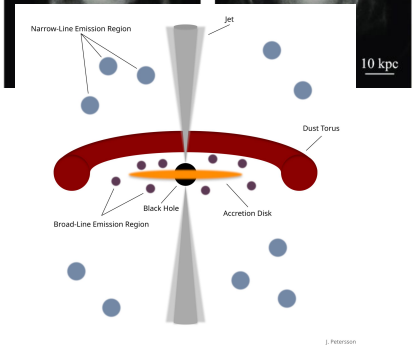
Research Interests:

BH accretion, AGN feedback, emission-line signatures of BHs and related feedback processes, galaxy formation & evolution, numerical simulations

Brief CV:

2017–2022: BSc & MSc in Astrophysics at Lund University, Sweden
2022–Now: PhD Student in Astrophysics at EPFL, Switzerland





Suphakorn Suphapolthaworn (Som) she/her

1st year PhD student
Department of Cosmosciences, Graduate School of Science
Hokkaido University (Sapporo, JAPAN)
suphakorn@phys.sci.hokudai.ac.jp

Scientific Interests

- Molecular gas in nearby galaxies
  - Tracers: CO, [CI] emission lines
  - Molecular gas and star formation
  - Physical conditions (CO SLED)
  - **COMING**: **CO** **M**ulti-line **I**maging of **N**earby **G**alaxies
  - Molecular outflows
- ISM structure

Brief CV

- Student Research Assistant (Feb-Mar 2019 & 2020), National Astronomical Research Institute of Thailand (NARIT) [exoplanet group]
- BSc *Physics* (2021), Hokkaido University
- MSc *Cosmosciences* (2023), Hokkaido University
- PhD *Cosmosciences* (from April 2023), Hokkaido University

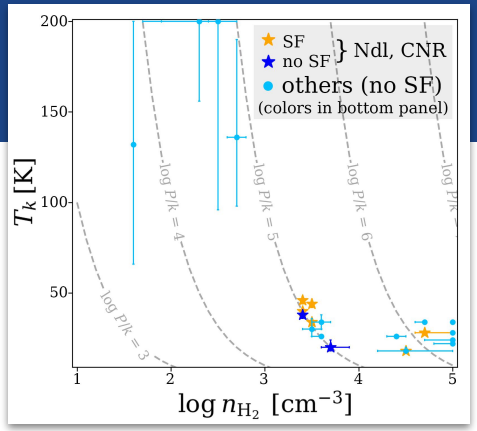
*Cosmosciences (宇宙理学): astrophysics, planetary sciences, theoretical particle physics, nuclear physics, low temperature physics, rocket sciences, etc.

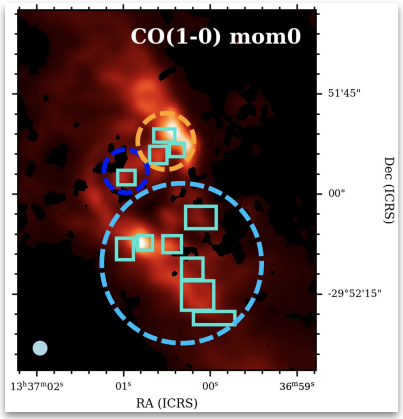
Others

- (Astro-)photography
- Cycling
- Baseball & Soccer

2020 topic: *Earth detectability*
(If you're interested, see Suphapolthaworn et al. 2022 – this is not quite related to ISM, though)

Molecular gas physical conditions in the central kpc of M 83
Suphapolthaworn et al. (in prep.)



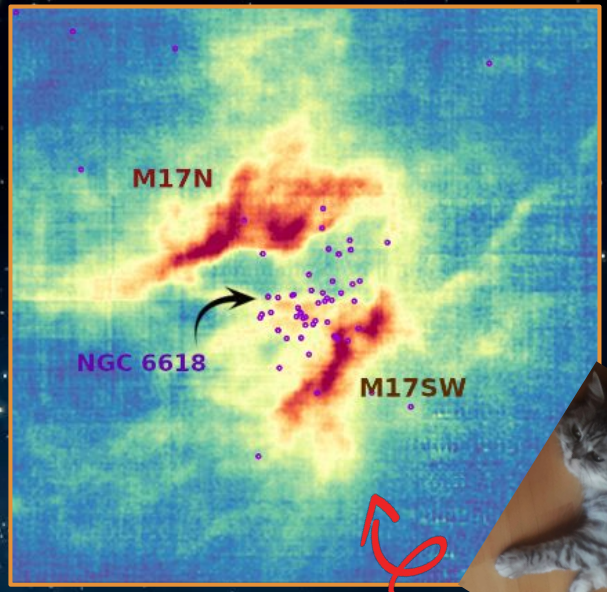


Parit Mehta (he/him)

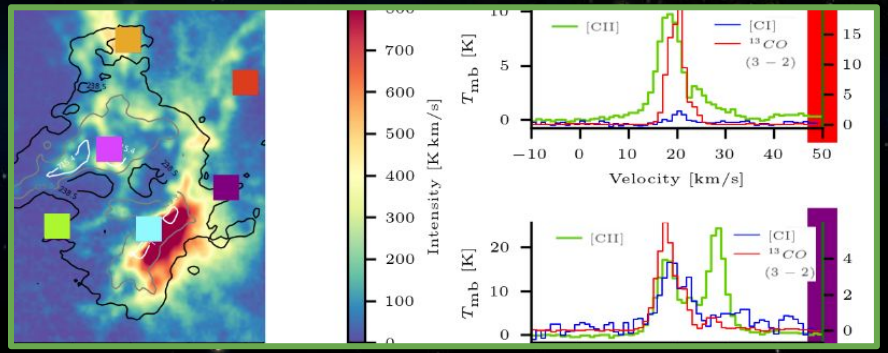
3rd yr. Doctoral Candidate
Institute for Astrophysics,
University of Cologne, DE
Adviser : *Jürgen Stutzki*
mehta@ph1.uni-koeln.de

Brief C. V.

- Ph. D.: (ongoing) **University of Cologne**, Germany
  Conditions & Impact of Star Formation in M17.
  Observer in the SOFIA/GREAT team.
- M. Sc.: **Goethe-University Frankfurt**, Germany
  Simulated the Interiors of Neutron Stars at the Frankfurt Institute for Advanced Studies.
- B. Sc.: **Panjab University**, India
  Backbencher.



Large Scale C+ (right) & CO 3-2 (below) Maps of the M17 Nebula Mehta et al., in prep.



Scientific and other Interests

- ★ Star Forming Regions Pro Max
  Massive, Complex, Clumpy, >> OB stars
- ★ Stellar Feedback + PDRs
- ★ Molecular Cloud Structure
- ★ Telescopes and related Novelty

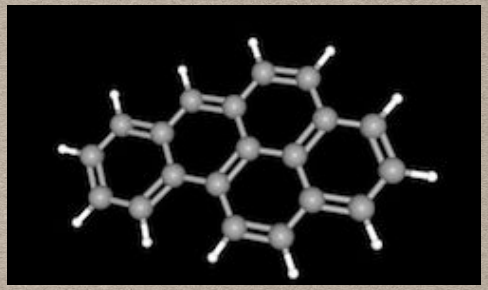
Morphological similarities of Cats and Nebulae

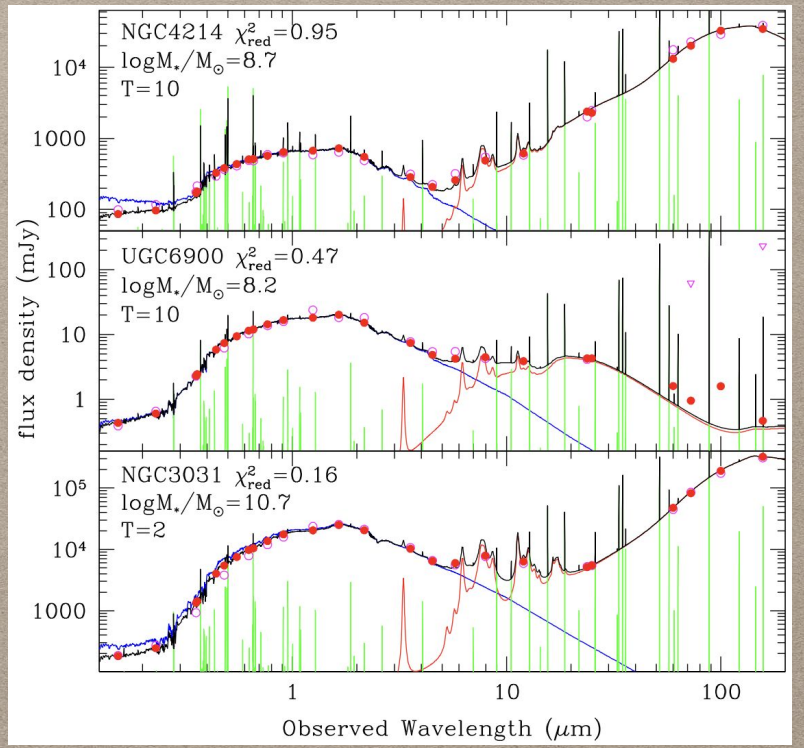
A.I. for Social Impact & Education

Hard Sci-fi, Classical & Folk music

ASTRONOMERS FOR PLANET EARTH

Daniel Dale
Professor, Associate Dean
1993-1998 PhD Cornell U.
1998-2001 Caltech postdoc
2001-2023 U. Wyoming

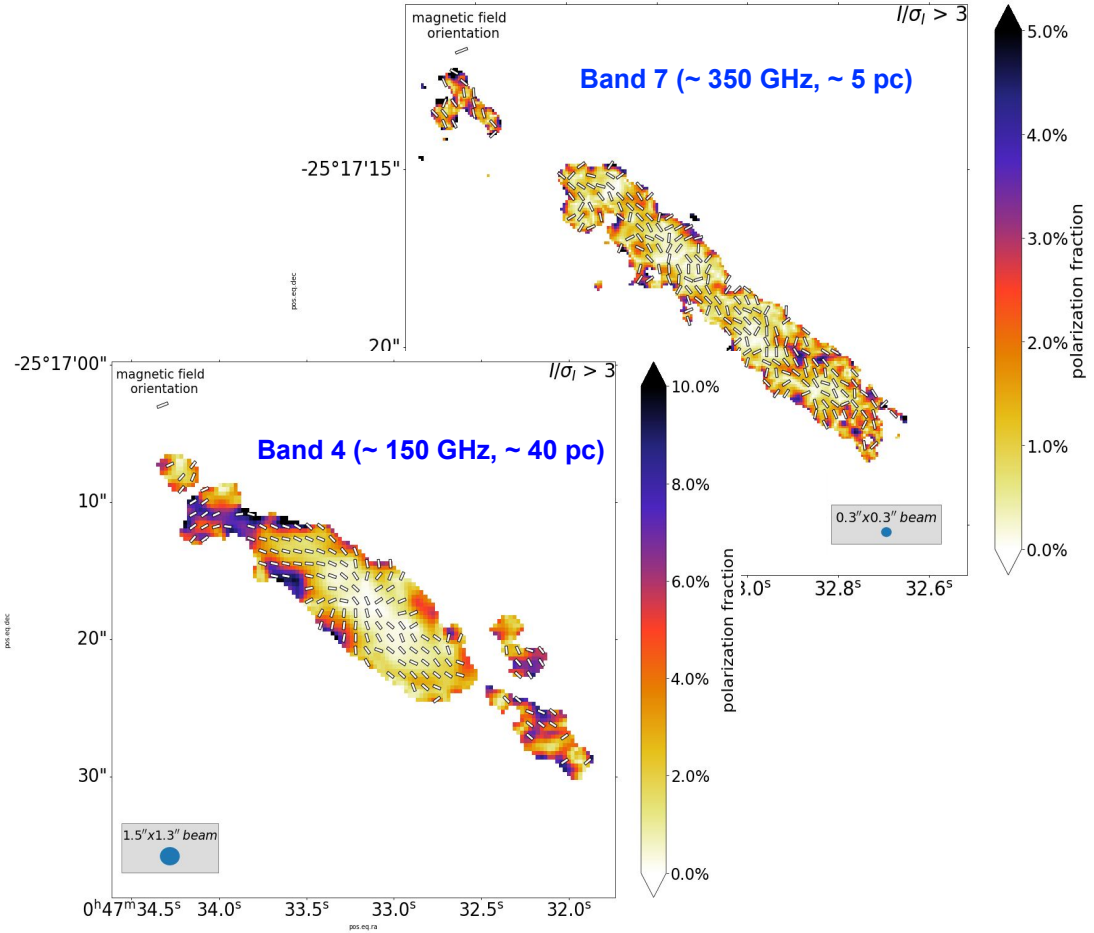




Dust — Star Formation — Stellar Clusters
Hiking — Sports — French dessert wines

Davide Belfiori
1st year PhD student
University of Bologna - INAF IRA
davide.belfiori@inaf.it

Magnetic fields studies through **dust polarization** observations with ALMA in the central region of the **starburst galaxy NGC253**



Scientific Interests

- Nearby Galaxies
- Interstellar medium
- Magnetic fields
- **Dust** Polarization observations

Brief CV

- 2017**:** BSc in **Physics** at the University Tor Vergata of Rome
- 2021: MSc in **Astronomy and Astrophysics** at the University La Sapienza of Rome
- 2021-2022: Research Scholarship at the Astronomical Observatory of Rome
- 2022-now. PhD in **Astrophysics** at the University of Bologna

Nora Linzer

Princeton University

nlinzer@princeton.edu

Scientific Interests:

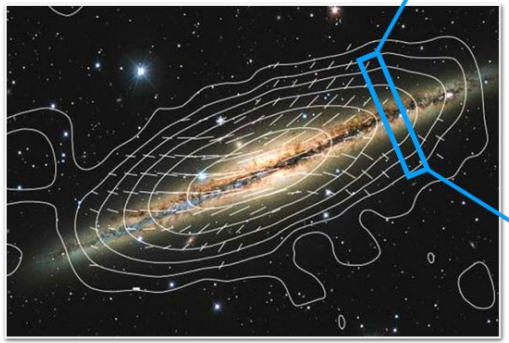
- Cosmic rays
- MHD numerical simulations
- Interstellar radiation fields

CV:

BS: 2020, Caltech

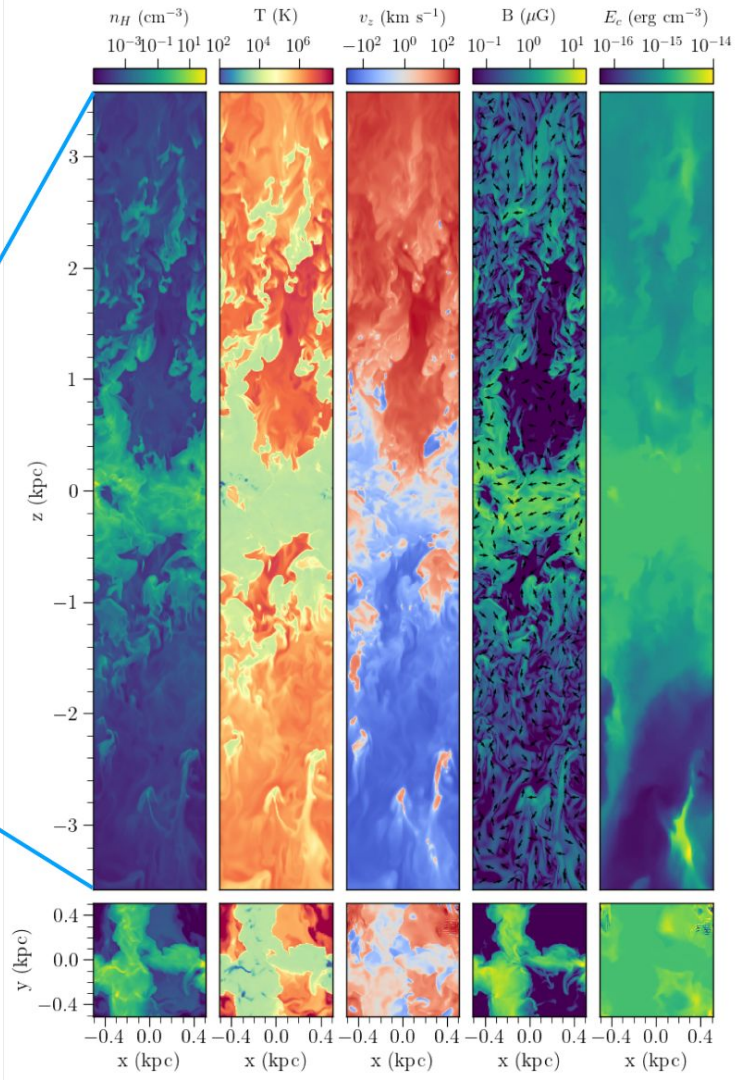
PhD: expected 2025, Princeton University

TIGRESS simulation snapshot of the multiphase ISM + cosmic rays



NGC 891, Copyright: MPIfR Bonn

Radio observation of an edge on galaxy



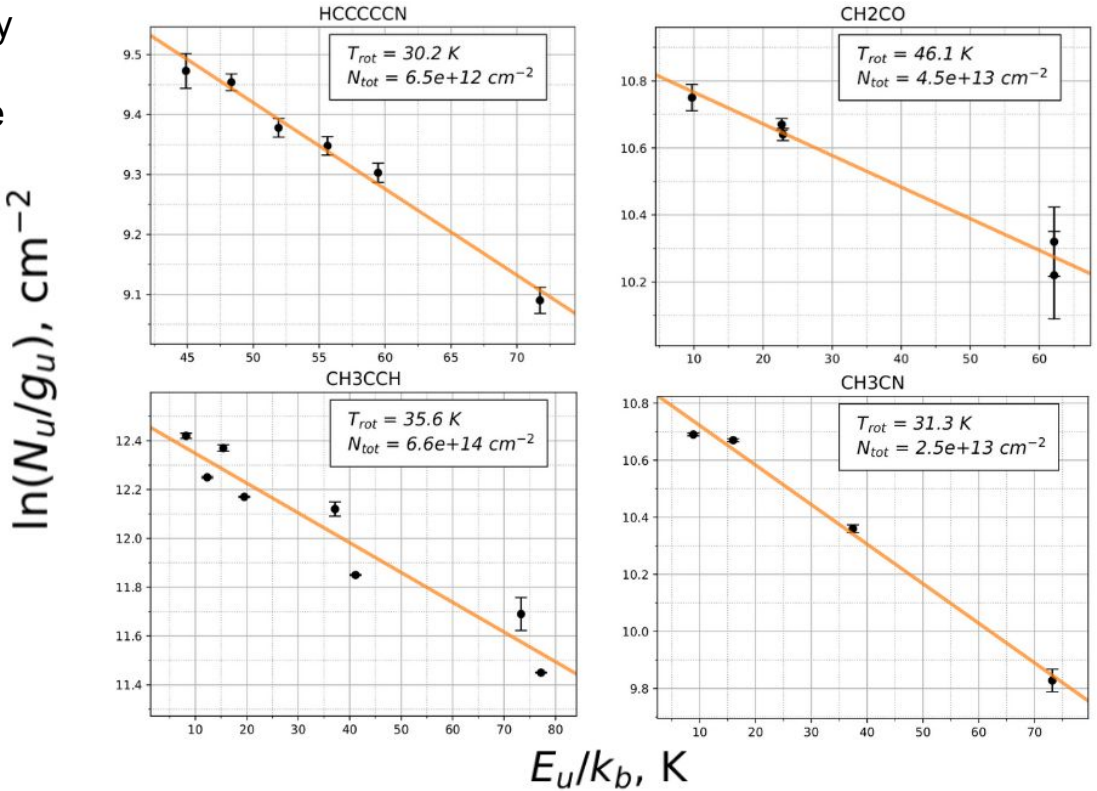
Ekaterina Mikheeva
- Moscow State University
- Astro Space Center of Lebedev Physics Institute
Advisor: S. V. Kalenskii

Scientific interests:

- Molecular lines
- Star formation

Brief CV:

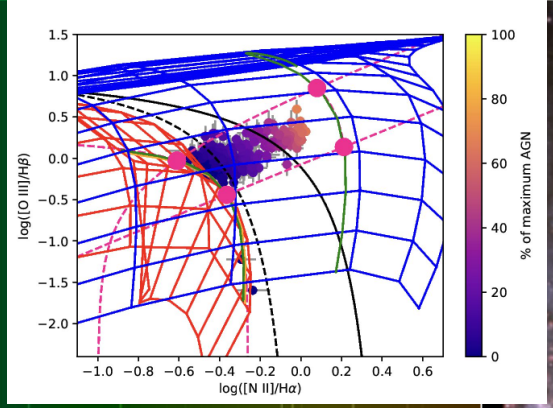
- Now: A fifth-year student* in the Department of Physics, Astronomy Division

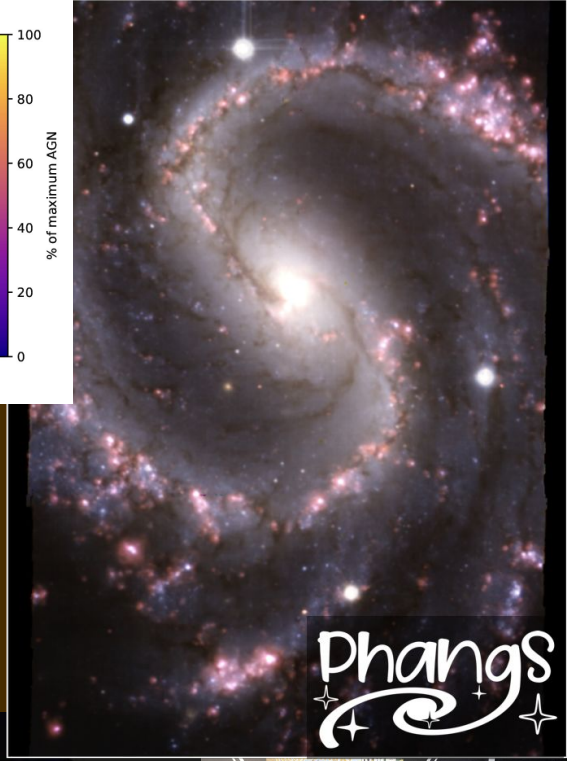


*It is the equivalent of completing the first year of a master's degree

Brent Groves (he/him)

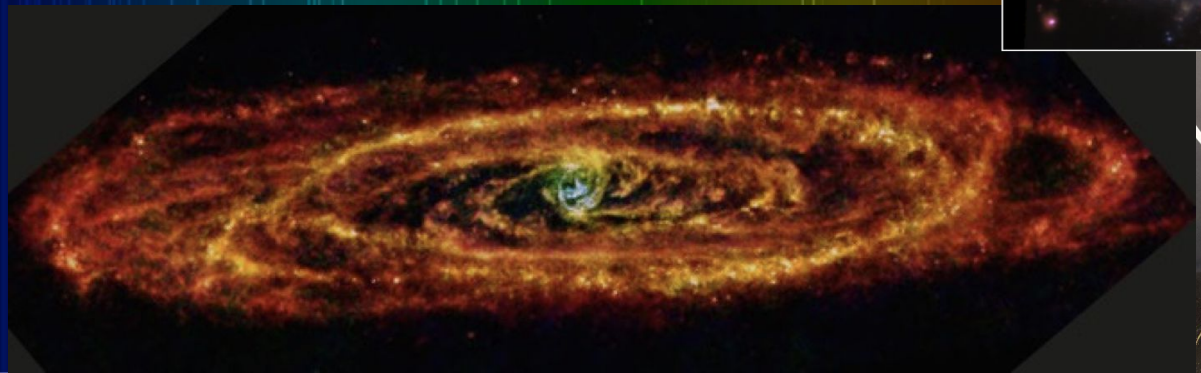
University of Western Australia





Emission line modelling
Dust emission & absorption
Star formation, AGN & Fast Shocks
IFU continuum & line modelling
HII regions & stellar feedback

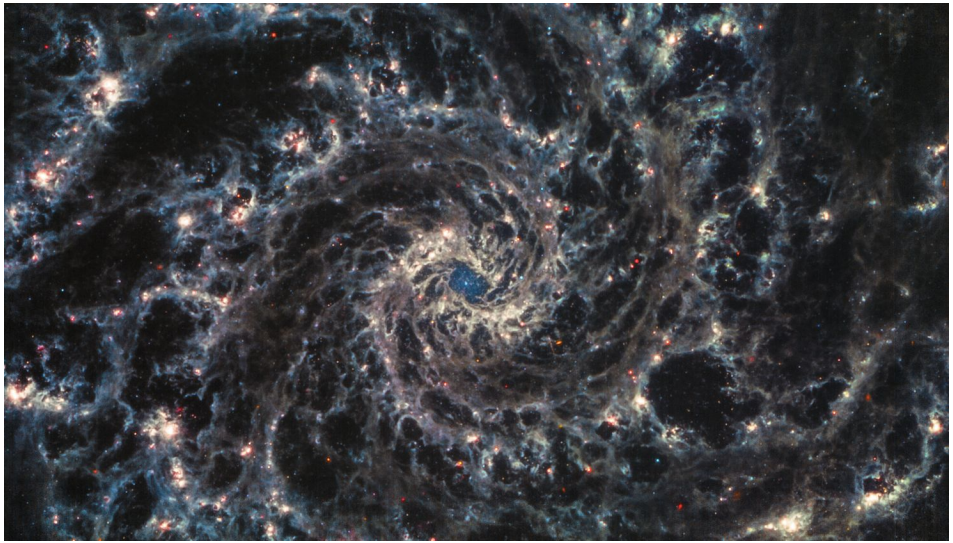
2005 PhD @ANU
2004-2006 @MPA
2006-2010 @Leiden
2010-2015 @MPIA
2015-2019 @ANU
2019- @ICRAR/UWA



Karin Sandstrom
Associate Professor
Department of Astronomy & Astrophysics
University of California, San Diego

brand new!

PhD - UC Berkeley
2009 - 2013 - Postdoc @MPIA
2013 - 2015 - Postdoc @ University of Arizona
2015 - now - Faculty @UCSD



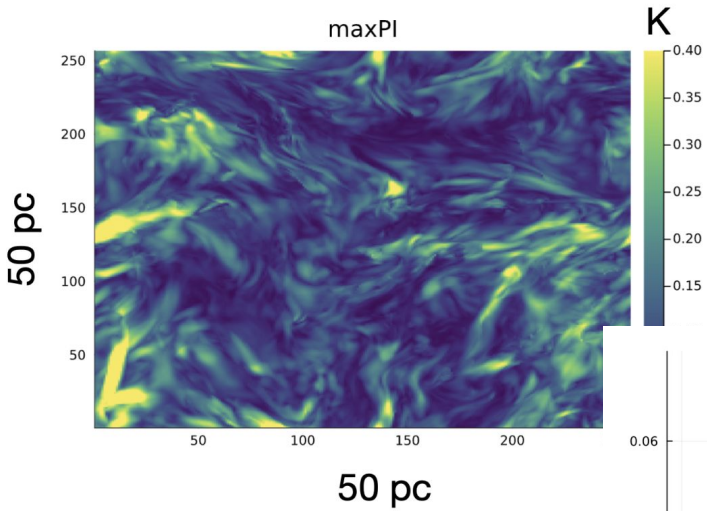
credit: PHANGS-JWST and Judy Schmidt

Interested in: all things interstellar medium! including the life cycle of dust, polycyclic aromatic hydrocarbons, molecular clouds, CO-to-H2 conversion factor, ISM phases, low metallicity galaxies (particularly SMC!). Multiwavelength observations of nearby galaxies from UV to radio. Currently focused on JWST!

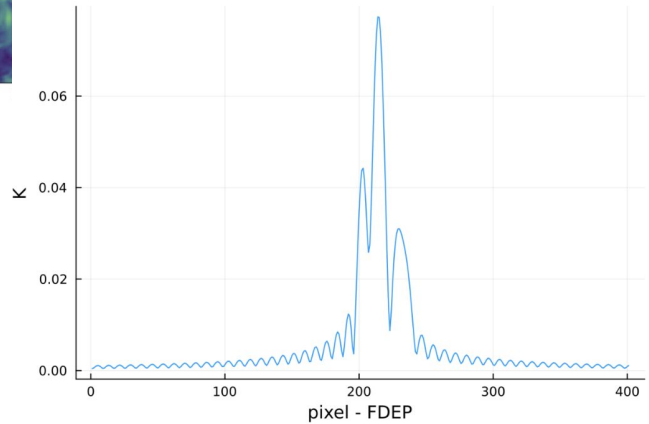
Jack Berat
1st year PhD student
Advisor : Marc-Antoine Miville-Deschênes
Close collaborators : Andrea Bracco, Patrick Hennebelle

Scientific interests :

- Polarization surveys
- Faraday tomography
- Galactic Magnetic Field
- MHD numerical simulations
- Diffuse ISM
- AI/Machine learning



(Left) Maximum polarized intensity of a Faraday cube from WNM-CNM MHD simulation.
(Bottom) Faraday spectrum of a Faraday cube of the same simulation.



Brief CV:

Bsc 2020: Paris-Saclay University
Msc 2022: Paris-Saclay University/Observatoire de Paris
PhD (2025): CEA-AIM / Université Paris-Cité

Cristina Lofaro, 1st year PhD student
Department of Physics, University of Crete
Institute of Astrophysics (FORTH)

clofaro@ia.forth.gr

Scientific Interests:

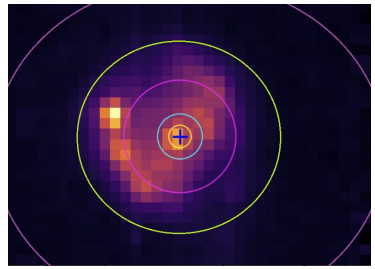
- Multi-wavelength spectroscopy and photometry in nearby galaxies
- Nuclear and extended ISM properties in (U)LIRGs
- AGN/ Starburst dominated mergers
- Galaxy evolution

Brief CV:

BSc (2019): Astronomy, University of Padova
MSc (2021): Astrophysics and Cosmology, University of Padova
PhD (2022 - now): University of Crete/ IA-FORTH

Arp240_W:
Nuclear VS **Extended**
emission spectra

Arp240_W: Spitzer IRS SL1 cube



Aashiya Anitha Shaji

First year PhD Student

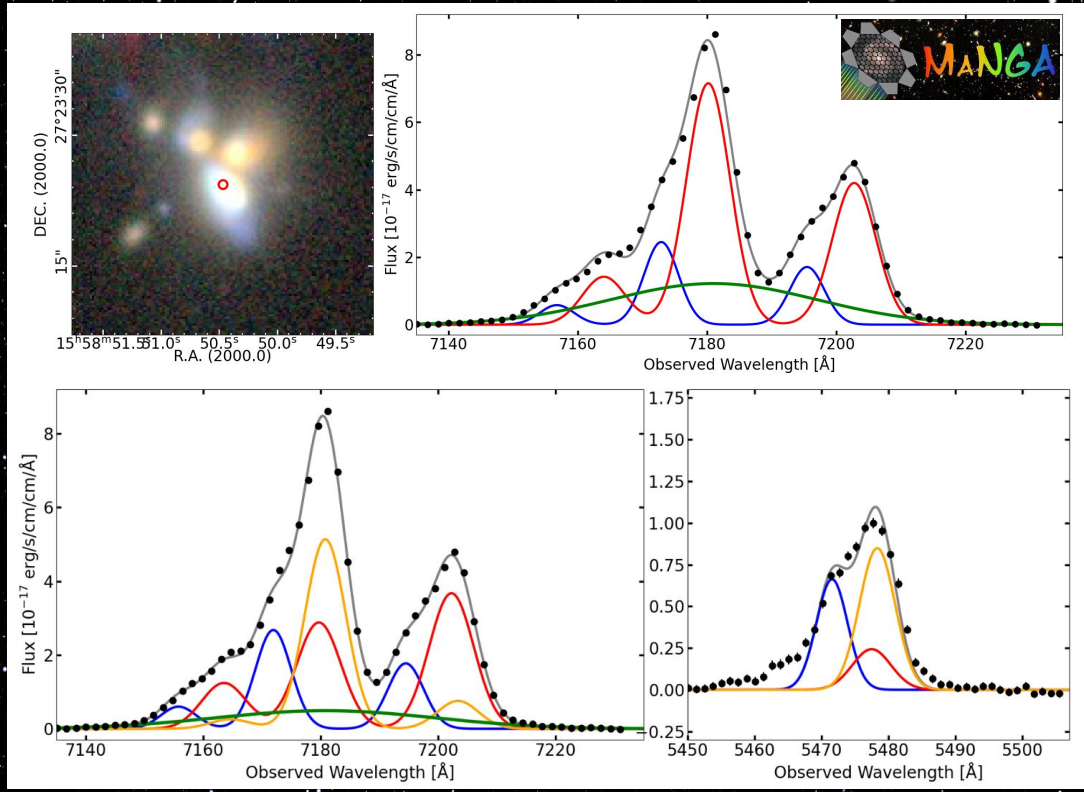
Supervisors: Anne-Laure Melchior & Françoise Combes

SCIENTIFIC INTERESTS:

- *Outflows in Nearby Galaxies*
- *IFU Spectroscopy*
- *AGN Mergers*
- *Interstellar Medium*
- *Numerical Modelling of Circumgalactic Medium*

BRIEF CV:

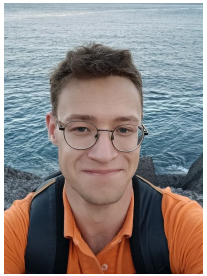
- *BSc Hons in Physics* (2017-2020)
  St. Stephen's College, New Delhi, India
- *MSc in Physics* (2020-2022)
  St. Xavier's College, Mumbai, India
- *PhD* (2022-*present*)
  LERMA, Sorbonne University
  & Paris Observatory, France



Collaborator: Daniel Maschmann

International Summer School on the ISM of Galaxies

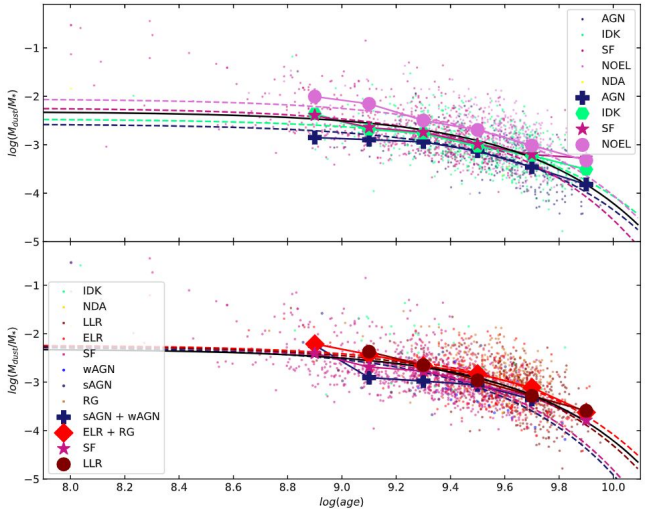
GISM 2023, July 25th-August 2nd, Banyuls-sur-Mer, France



Oleh Ryzhov
Adam Mickiewicz University, Poland
oleryz@st.amu.edu.pl

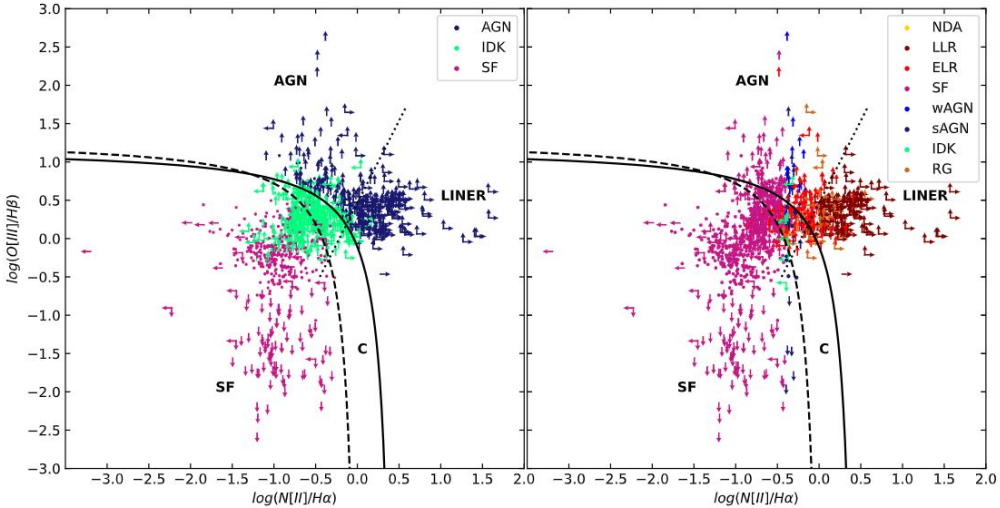
Scientific interests:

- Spectroscopy of galaxies, spectral classification diagrams (BPT, WHAN etc.)
- Dusty early-type galaxies
- ISM removal process
- Two-dimensional maps of galaxies



(Very) Brief CV:

- 2021 - Bronze medal at the International Olympiad in Astronomy and Astrophysics, Bogotá, Columbia
- 2021 - Kharkiv National University, Kharkiv, Ukraine
- 2022-2023 - Adam Mickiewicz University, BCs with prof. Michał Michałowski expected in 2024



Lucie Correia

Supervisor: Caroline Bot

Observatoire **astronomique** de Strasbourg | ObAS

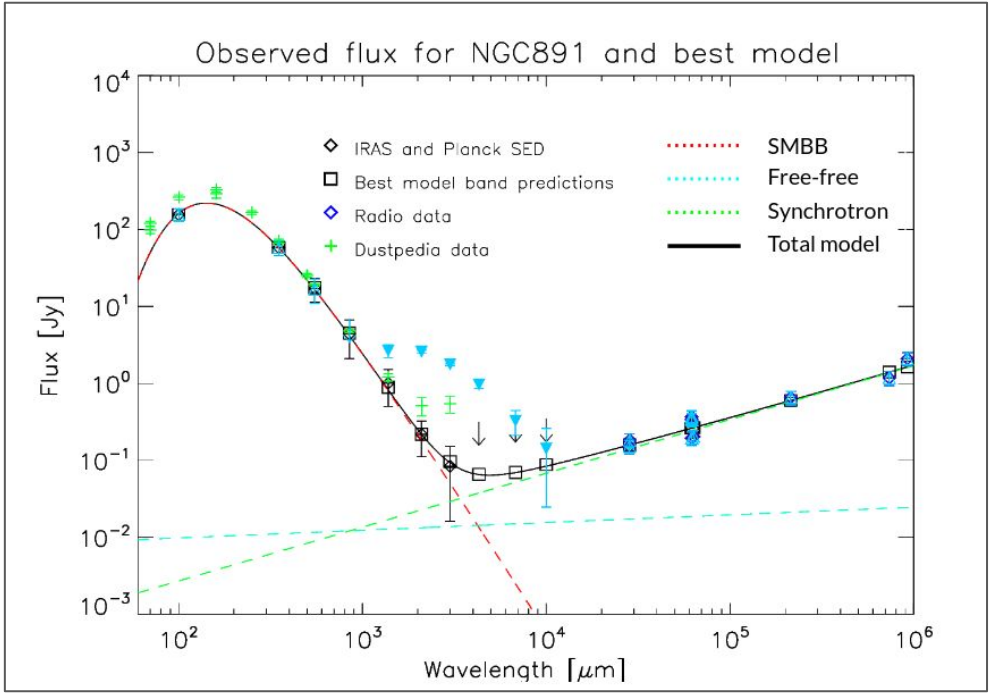
PhD topic: Millimeter to centimeter dust emission in nearby galaxies

Currently interested in :

- Model gas and dust emission
- Millimeter to centimeter excesses
- Dust properties

Brief CV:

- BSc Physics (2020) Université Toulouse III, France
- MSc Astrophysics (2022) Université Toulouse III/ISAE Supaéro, France
- PhD (2025) Strasbourg Astronomical Observatory, France



Amrita Singh

PhD student, Universidad de Chile
Associate student, CATA
amrita@das.uchile.cl

Observed nebula

Simulation nebula
How we see it :

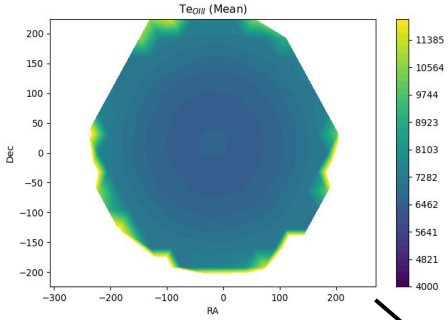
Current research Interests:

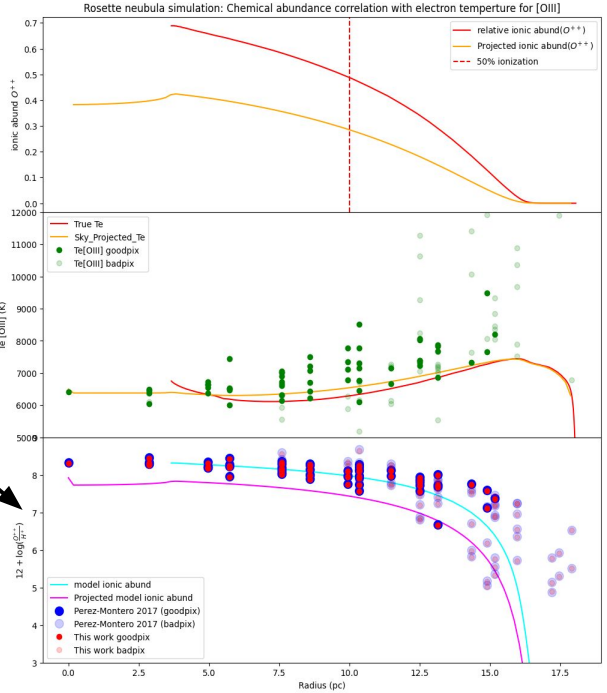
- Chemical composition of the nearby galaxies ISM
- Thermal structure of nebulae at small spatial scales
- Abundance discrepancy problem
- Photon escape fraction
- New LVM telescopes: SDSS-V

CV:

2018: B.Sc. Physics, University of Delhi, India
2021: M.Sc. Physics, NIT Calicut, India
2022-Now: PhD, Universidad de Chile, Chile

Electron temperature structure





UNIVERSIDAD DE CHILE

Luis Enrique Garduño Puga
INAOE, México
luis@inaoep.mx

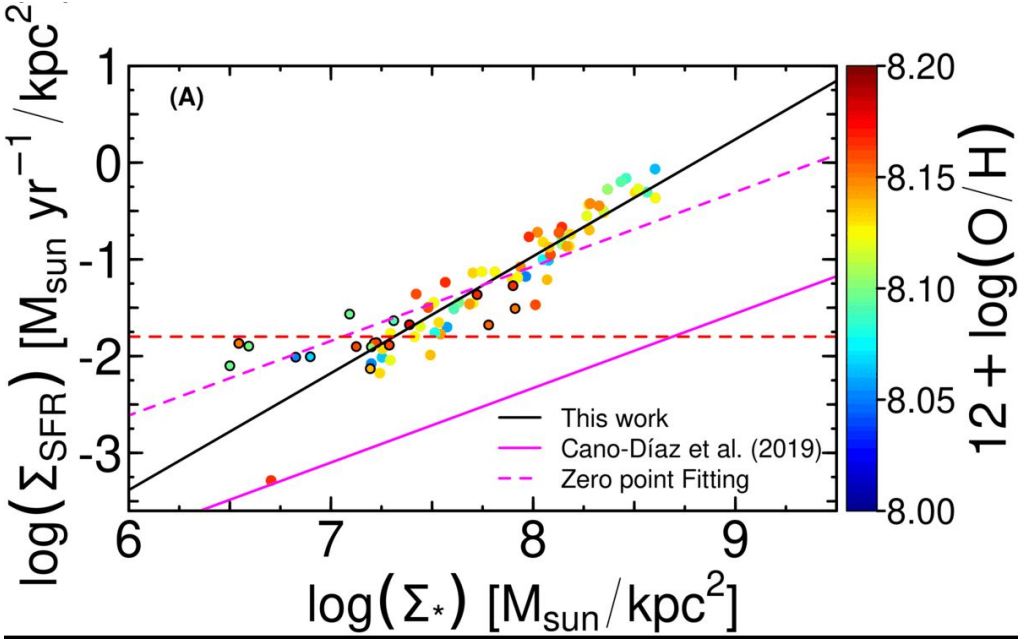
Scientific Interests:

- Galaxies (THINGS)
- IFU observations
- SFR, Z and other galaxy properties
- Local scaling relationships
- Galaxy multiwalength data
- Dust, DGR, αCO

Brief CV:

MSc: 2016-2018 at INAOE
PhD: 2019 - now at INAOE

CONCYTEP
Consejo de Ciencia y Tecnología del Estado de Puebla



SR and maps for NGC 1569
Garduno, LE et al. (submitted to MNRAS)

Léna Jlassi

2nd year PhD student

Leibniz Institute for Astrophysics, Potsdam

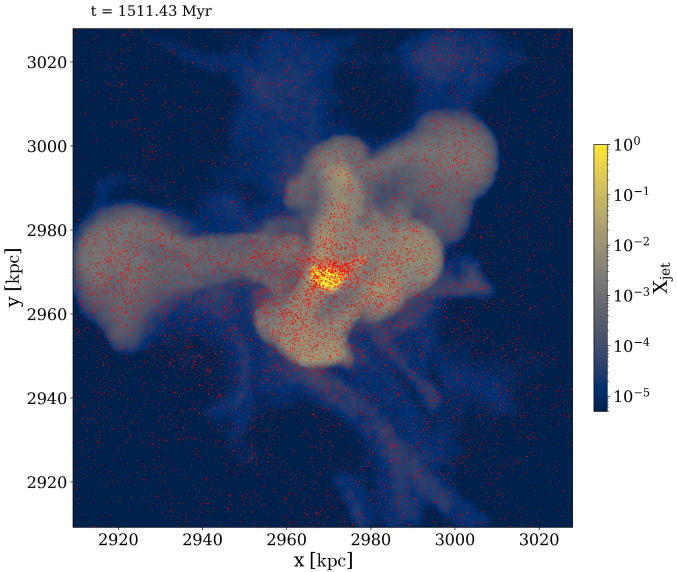
ljlassi@aip.de

Research interests

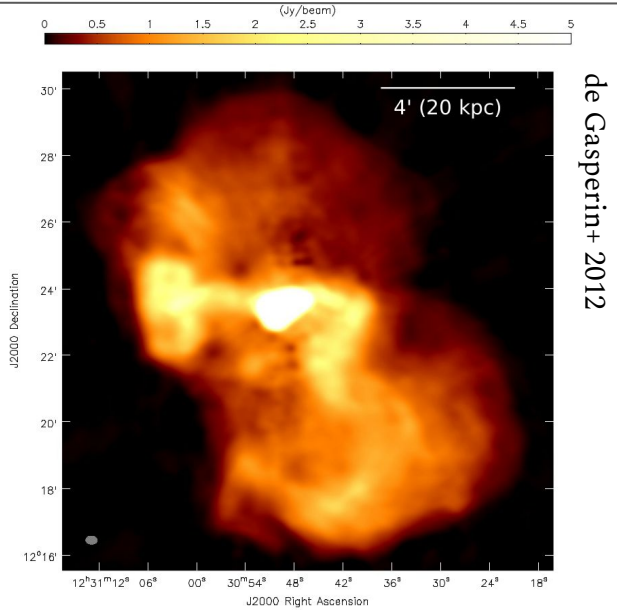
MHD simulations, AGN jets, AGN feedback, galaxy clusters, radio galaxies, cosmic rays, synthetic observations

2016 - 2021 MSc Physics with Astrophysics
University of Bath, England

2022 - now PhD in Theoretical Astrophysics
Leibniz Institute for Astrophysics Potsdam (AIP), Germany



MHD simulation of AGN jets in an isolated Perseus-like galaxy cluster (red: tracer particles)



de Gasperin+ 2012

the M87 radio galaxy observed with LOFAR (140 MHz)

Moritz Itzerott

2nd year Master student

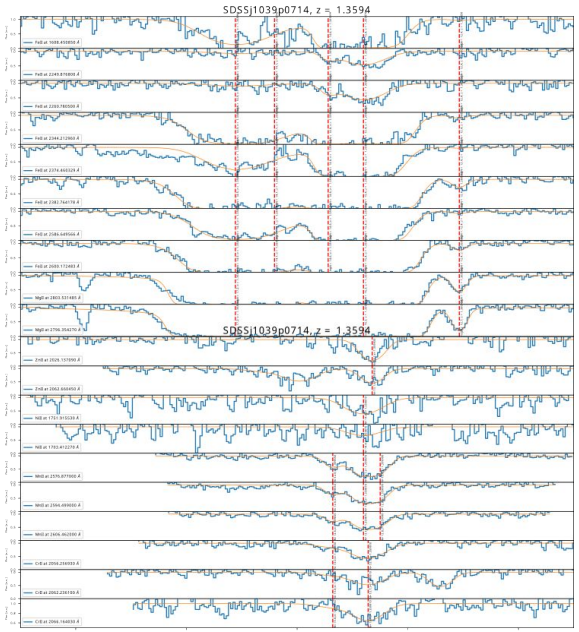
University of Potsdam
Institute for Physics and Astronomy
mitzerott@astro.physik.uni-potsdam.de

Research interests:
Extragalactic Astrophysics, Circumgalactic and Interstellar Medium, High Velocity Halo Clouds, Machine Learning, tbd...

2018 - 2022: B.Sc. Physics
University of Potsdam, Germany

2019 - now: teaching/research assistant (Prof. Philipp Richter)
University of Potsdam, Germany

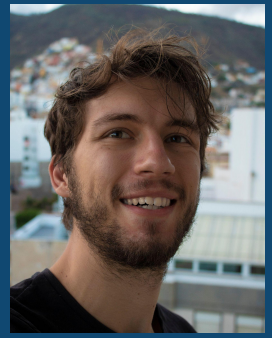
2022 - now: M.Sc. in Astrophysics
University of Potsdam, Germany



in collab. with M. Wendt (Wendt et al. 2021)

I analyse Quasar sightlines and estimate column densities for various ionized species..

When I'm not working:



Florian Rünger

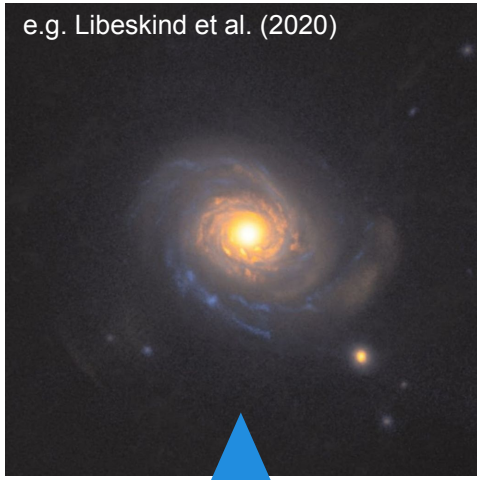
fruenger@astro.physik.uni-potsdam.de

University of Potsdam
Institute for Physics and Astronomy
Extragalactic Astrophysics
with Prof. Philipp Richter

2018-2021	B. Sc. Physics
2021-2023	M. Sc. Astrophysics
since 2023	**PhD Astrophysics**

scan me!

I love astrophotography!



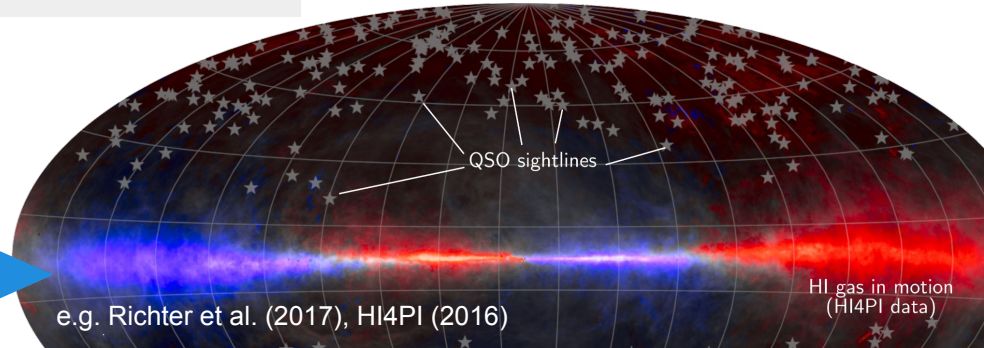
What (sub)structures are in the CGM?
What about the physics in them?

Galaxy evolution in simulations
Consistent with observations?

Sightline (mock) study of the CGM …
Develop models for the CGM's structure!

I compare data from constrained simulations …

… with data from observational surveys



Camila Galante

2nd year PhD student

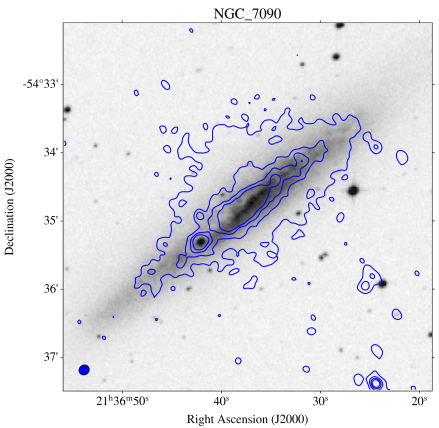
Argentine Institute for Radioastronomy (IAR)
Faculty of Astronomical and Geophysical Sciences (FCAG)
National University of La Plata (UNLP)
cgalante@iar.unlp.edu.ar

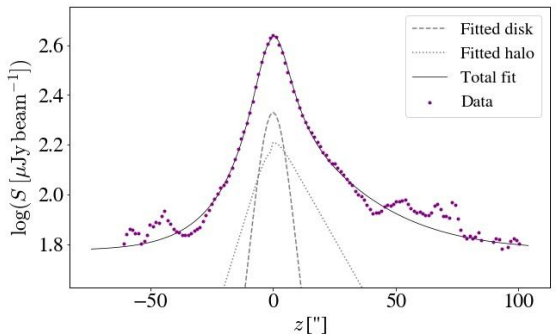
2021: B. Sc. & M. Sc. (Licenciatura) in Astronomy, FCAG, UNLP

2021 – now: PhD in Astronomy, FCAG, UNLP

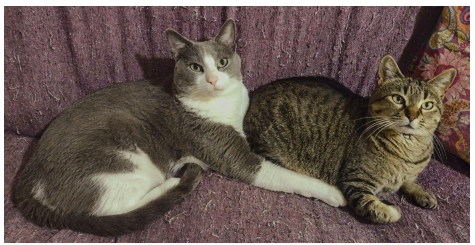
PhD Research Fellow, National Research Council
Workplace: IAR
Supervisor: Dr. Gustavo E. Romero

Research interests:
Starbursts, star-forming galaxies
Galactic winds, outflows
Extraplanar radio emission (radio halos)
Magnetic fields
Radio Astronomy (cm wavelengths)





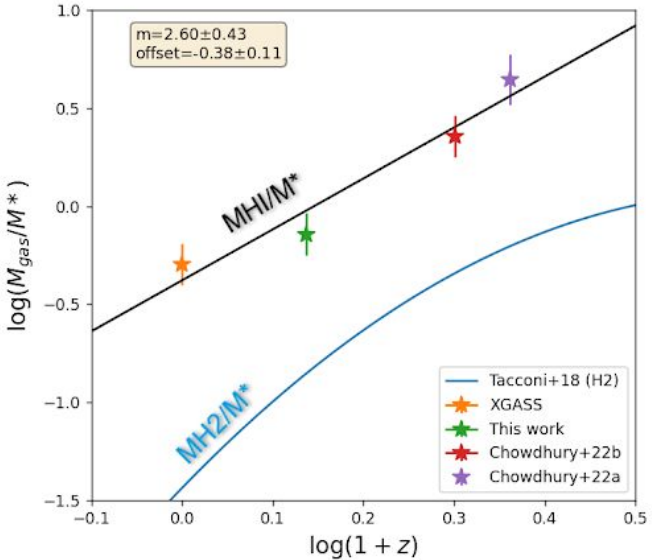
Other interests:

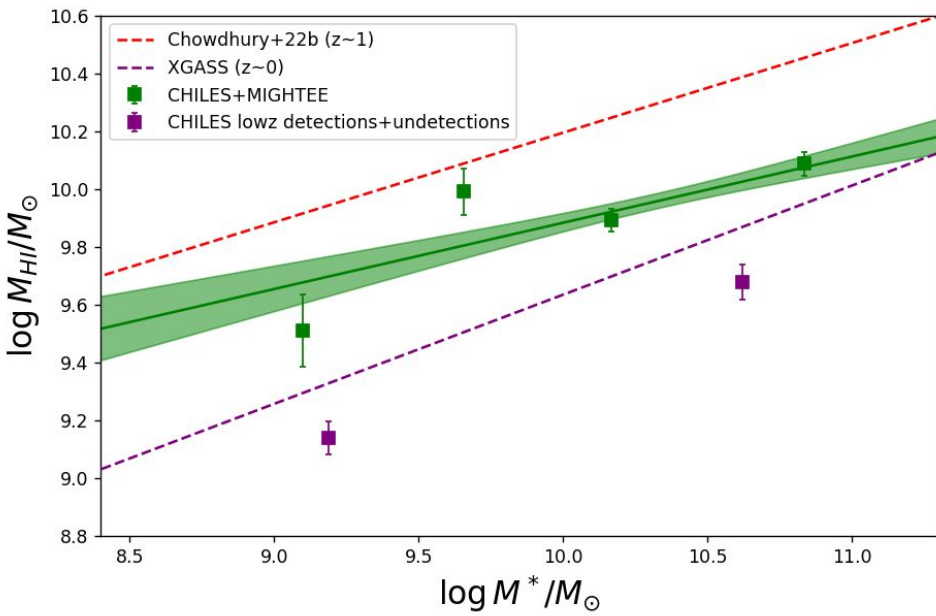


Alessandro Bianchetti
1st year PhD student
University of Padova - INAF
alessandro.bianchetti@phd.unipd.it

Scientific Interests
Galaxy formation and evolution

- HI content in galaxies: 21 cm line
- star formation
- dust and gas evolution in galaxies





Brief CV
2020: Bsc in Physics, University of Padova
2022: Msc in Astrophysics&Cosmology, University of Padova
now: PhD in Astronomy, University of Padova

Visiting:
2022: Instituto de Astrofisica de Canarias
2023: University of Capetown, University of Western Cape

Dries Van De Putte
Postdoc at Space Telescope Science Institute
Baltimore, USA

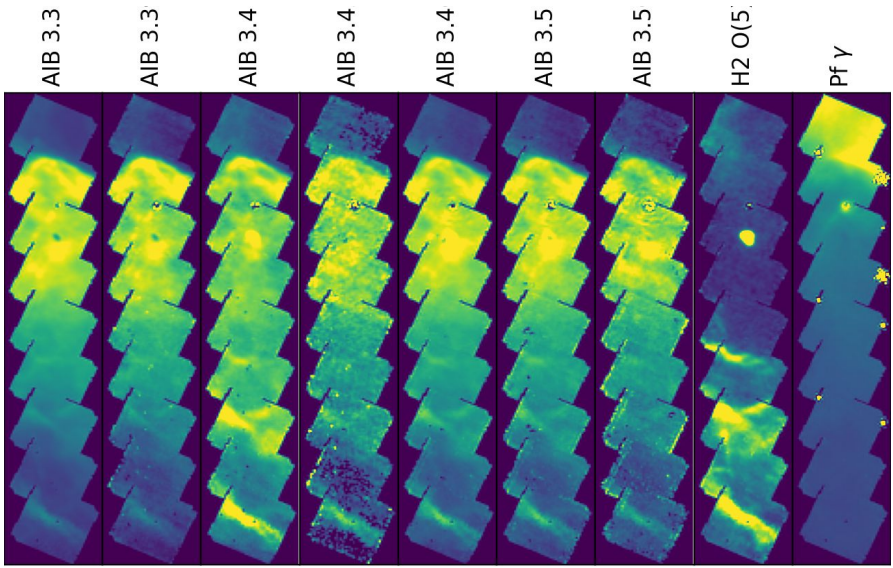
dvandeputte@stsci.edu

Scientific Interests:

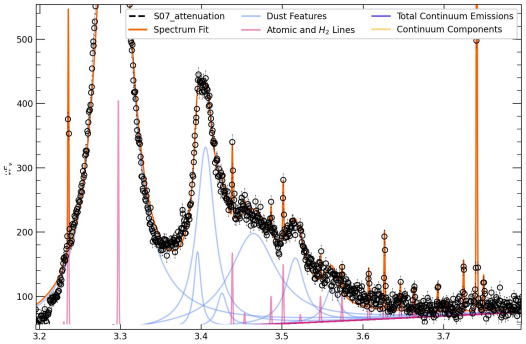
- Dust extinction, properties, interactions with gas
- Photodissociation regions: Orion, Horsehead, …
- H2 properties vs dust
- PAHFIT: IFU data spectral decomposition
- 3D Radiative transfer modeling with H2 photodissociation (dust + gas)

Collaborations:
PDRs4All, PDR GTO, PAHFIT dev team

Brief CV:
2011-2020 Ghent University BSc + MSc + PhD (Maarten Baes)
2021-now Postdoc at STScI (Karl Gordon)



Decomposition of the Orion Bar NIRSpec data, and spatial maps of the components.



YIQING SONG | 宋一清

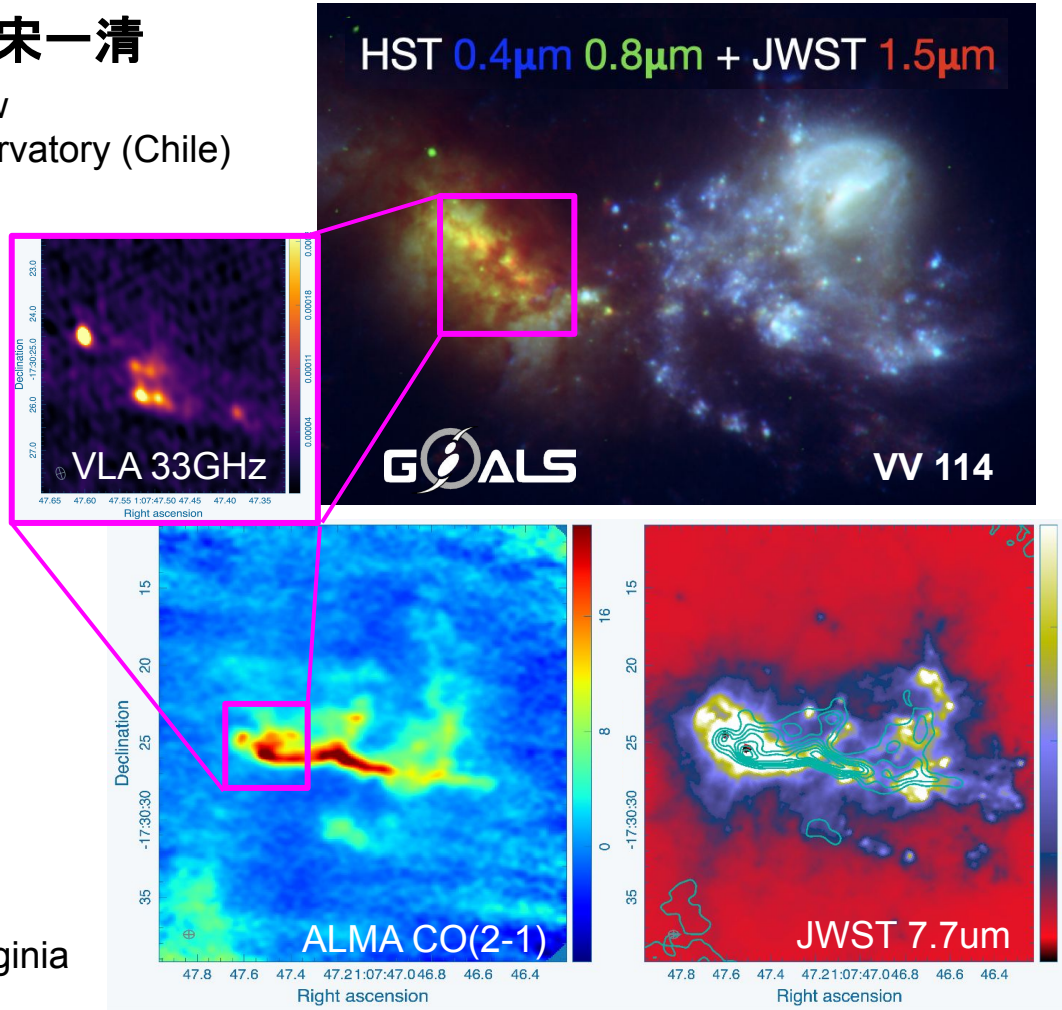
ALMA Postdoctoral Fellow
European Southern Observatory (Chile)
Joint ALMA Observatory
yiqing.song@eso.org

Scientific Interests

- Luminous Infrared Galaxies; Dusty star-forming galaxies
- Starburst and AGN activity & feedback
- Galaxy interaction & mergers

CV

- 2012 - 2016:
  B.S. in Physics, University of California (LA)
- 2016 - 2022:
  M.S. + Ph.D. in Astronomy, University of Virginia



Ashley Lieber

1st Year PhD Student | University of Kansas (USA)
Dr. Elisabeth A.C. Mills | Nearby Galaxies Lab
ashleylieber@ku.edu

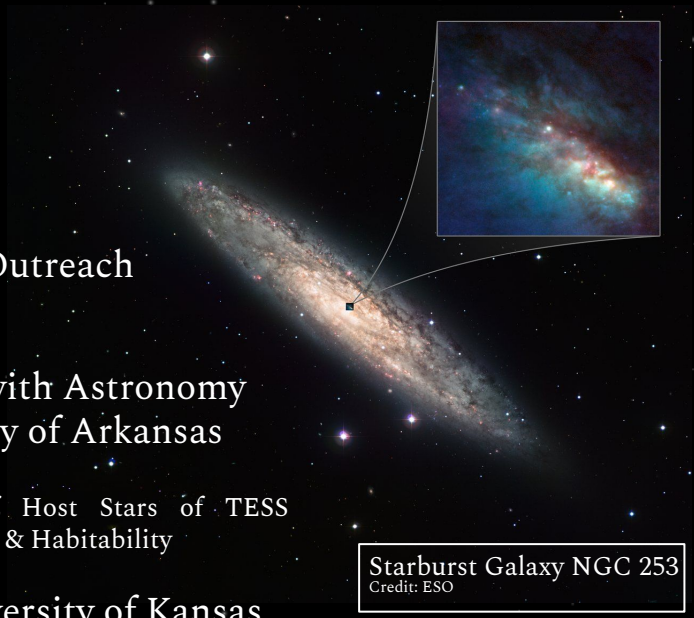
Research Interests:

- Nearby galaxies & ISM
- Molecular line emissions
- Gas dynamics & Densities
- Radiative Transfer
- Astronomy Education & Outreach

Brief CV:

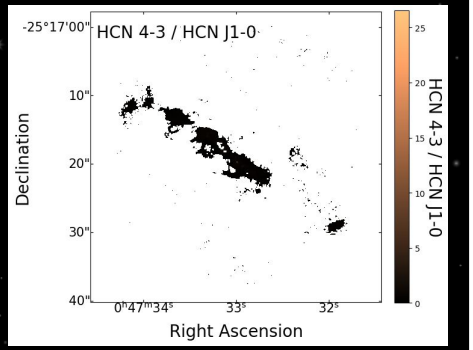
- **2018-2022**: B.S. Physics with Astronomy Concentration - University of Arkansas
  Dr. Julia Kennefick
  Thesis: Monitoring the M-dwarf Host Stars of TESS Exoplanet Candidates: Stellar Flares & Habitability

- **2022-Present**: Ph.D. University of Kansas
  Advisor: Dr. Elisabeth A.C. Mills

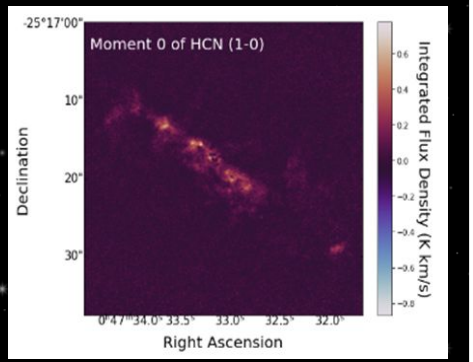


Starburst Galaxy NGC 253
Credit: ESO

Ratio of Two Transitions of HCN



Integrated Intensity Map



*Utilizing ALMA Band 3 Data

Léontine Ségal
1th year Ph.D student
segal@iram.fr

IRAM (Grenoble, France)
Institut de RadioAstronomie Millimetrique

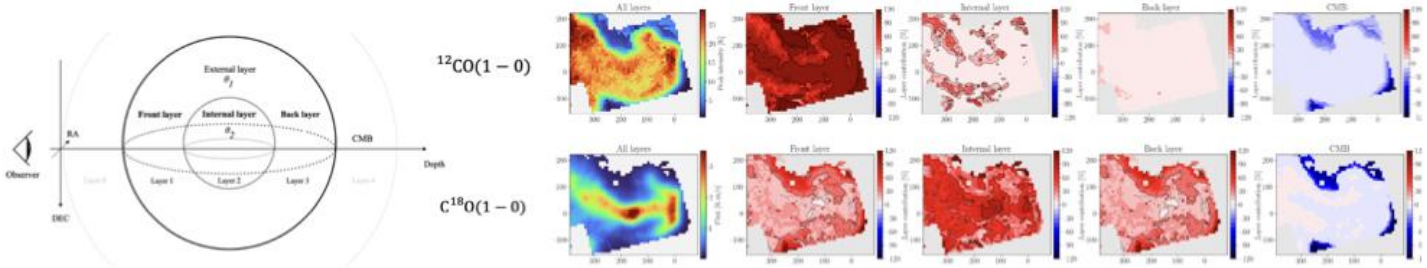
IM2NP (Toulon, France)
Signal & Tracking team
Institut Matériaux Microélectronique Nanosciences de Provence

CV

- 2022 - (2025) : Ph.D with Antoine Roueff (IM2NP) and Jérôme Pety (IRAM)
- 2019 - 2022 : signal processing engineer degree PHELMA (Grenoble, France)

PhD topic and interests

- Characterisation of dense cores in the Horsehead Nebula with statistic approaches
- Radio astronomy
- Heterogeneous medium modelling to multi-line analysis
- Radiative transfer



Larissa Tevlin

Leibniz Institute for Astrophysics Potsdam, Germany
tevlin@aip.de

Brief CV

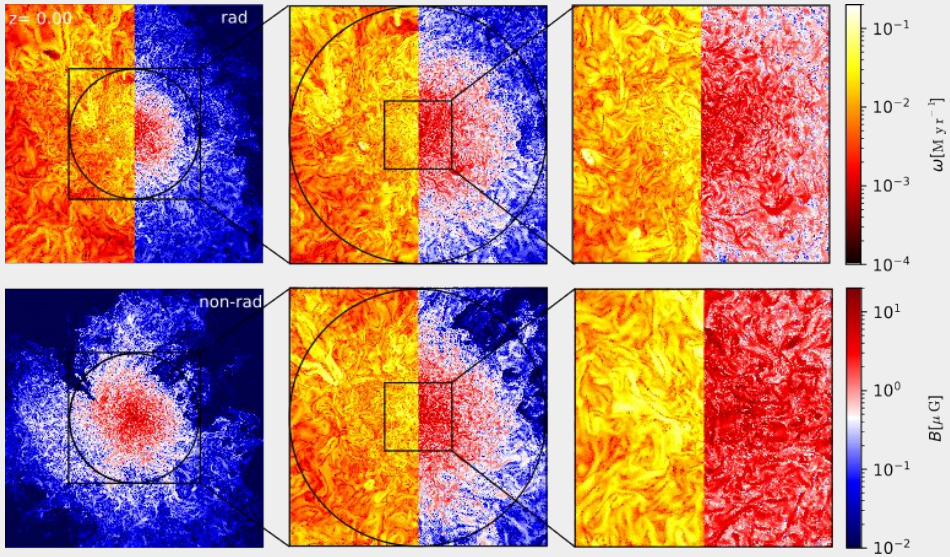
2017-2021 Space Engineering, B. Eng., University of Applied Science Aachen, Germany
2021-2023 Astrophysics, , M. Sc., Potsdam University, Germany
2023-now Computational Astrophysics, PhD, Leibniz Institute for Astrophysics, Potsdam, Germany

Scientific Interests

Cosmological Simulations
Galaxy Clusters
Magnetic Dynamos
Turbulence

Gravitational Wave Astronomy

Simulating Magnetic Fields in Galaxy Clusters



The image shows a slice through the turbulent and magnetized gas in a galaxy cluster in a radiative and in a non-radiative cosmological simulation. How do these magnetic fields evolve? How do radiative physics influence the evolution?

Vittoria Brugaletta

Max Planck Institute for Astrophysics &
University of Cologne

Research Interests:

- MHD simulations
- Star formation and feedback from massive stars
- The low-metallicity interstellar medium

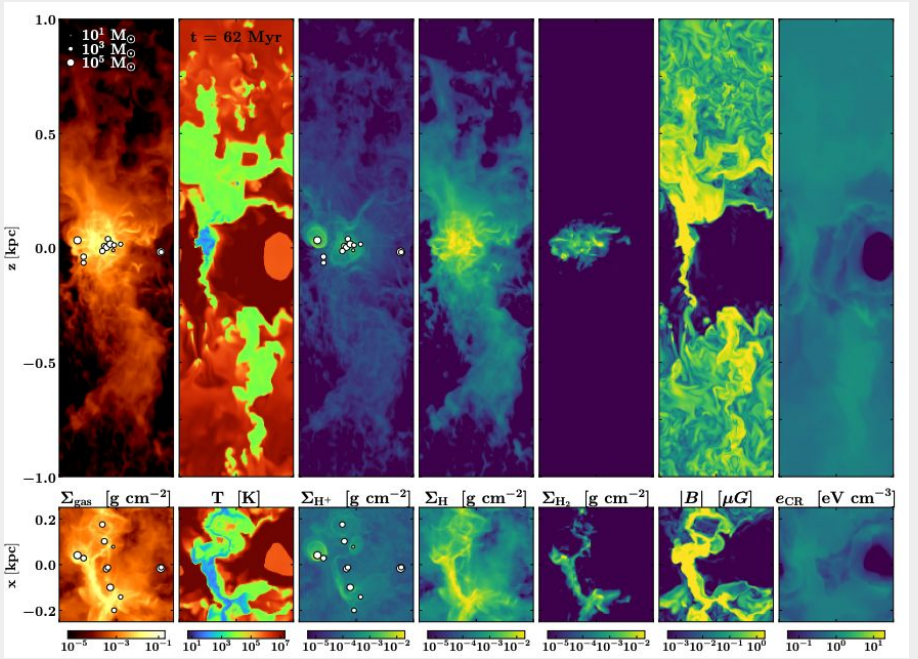
CV:

B.Sc. (2019) - University of Pisa, Italy

M.Sc. (2021) - University of Bonn, Germany

PhD (2022 - Present): University of Cologne & Max Planck Institute for Astrophysics, Germany

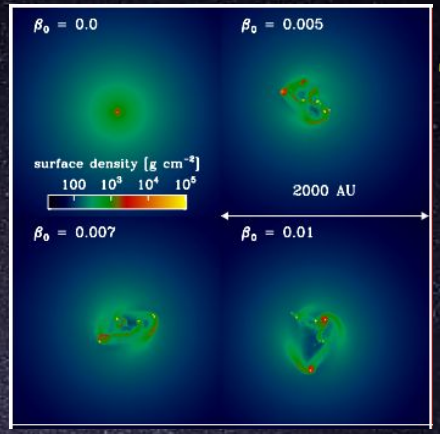
SILCC Simulations



Brugaletta et al. in prep.

vbrug@mpa-garching.mpg.de

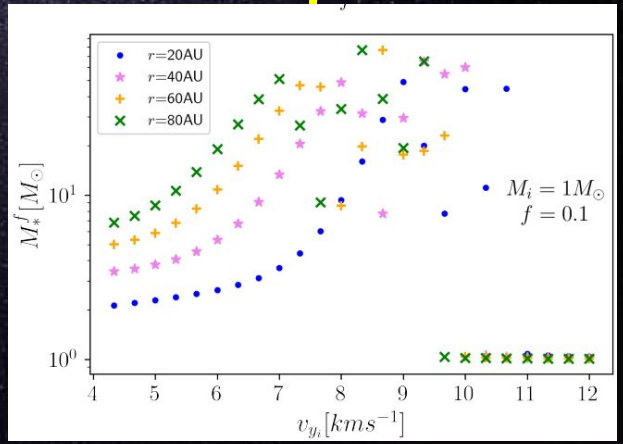
Sukalpa Kundu
Scuola Normale Superiore di Pisa
Italy
sukalpa.kundu@sns.it



Pop III star formation and mass evolution

Scientific Interests:

- Active Galactic Nuclei
- Hydrodynamic Simulation of AGN Feedback (RAMSES)
- Galaxy Formation and Evolution
- Population III Stars

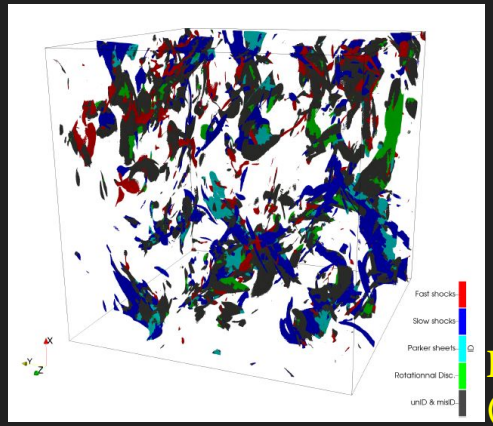


Brief CV:

2016 - 2019: BSc, University of Calcutta, India
2019 - 2021: MSc, Harish Chandra Research Institute, India
2021 - : PhD student at Scuola Normale Superiore, Italy
(Supervisor : Andrea Pallottini, Simona Gallerani)

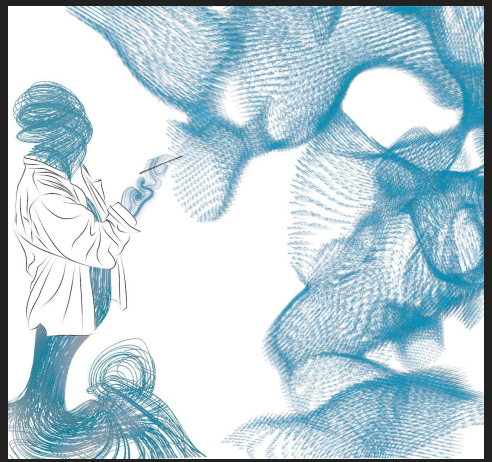
Pierre Lesaffre (CNRS / LPENS)

Dissipation in **MHD simulations** (Richard+2022)



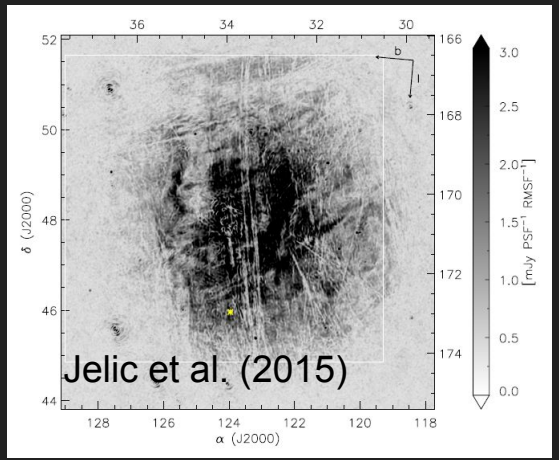
ERC MIST (PI Falgarone)
1 yr Postdoc

Generative models of turbulence ("BxC": Durrive+2020&2022)



Bow shocks around runaway stars

Depolarisation canals



Mélanie Chevance

ITA/Heidelberg University, COOL Research DAO

Brief CV:

2013-2016: PhD @ CEA Saclay (FR)

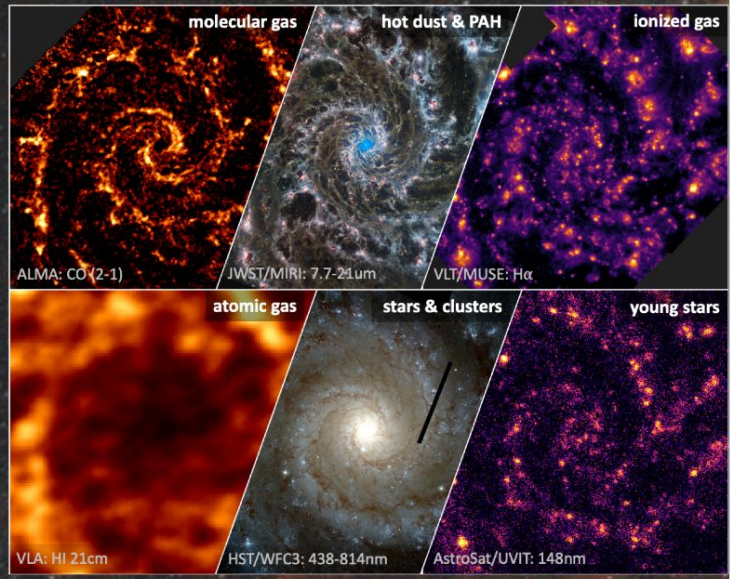
2016-2022: post-doc @ ARI (Heidelberg, DE)

2022-now: group leader @ ITA (Heidelberg, DE)

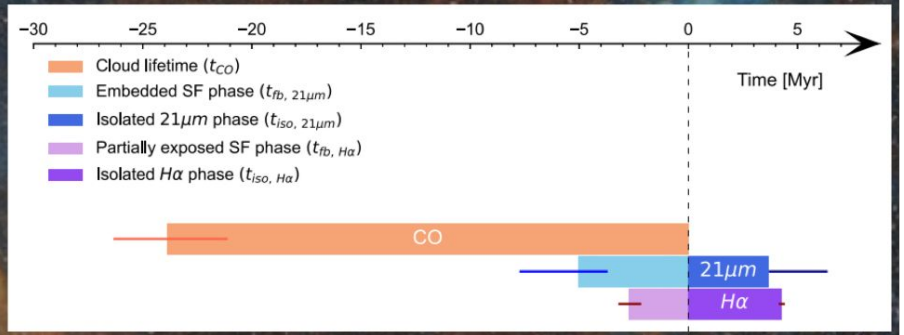
Scientific interests:

Matter cycle in galaxies: Star formation, feedback, ISM, galaxy evolution

but also galactic centre(s), exoplanets…



Multi-wavelength view of NGC628 (credit: J. Sun, PHANGS)



Cloud lifetime and feedback in NGC628 (Kim+23)

UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386

Phangs ACES

Emmy Noether-Programm DFG Deutsche Forschungsgemeinschaft

COOL Research DAO researching the Cosmic Origins Of Life

MARTIN SHANOBE

2nd year MSc Student
University of Cape Town, South Africa
shnmar019@myuct.ac.za

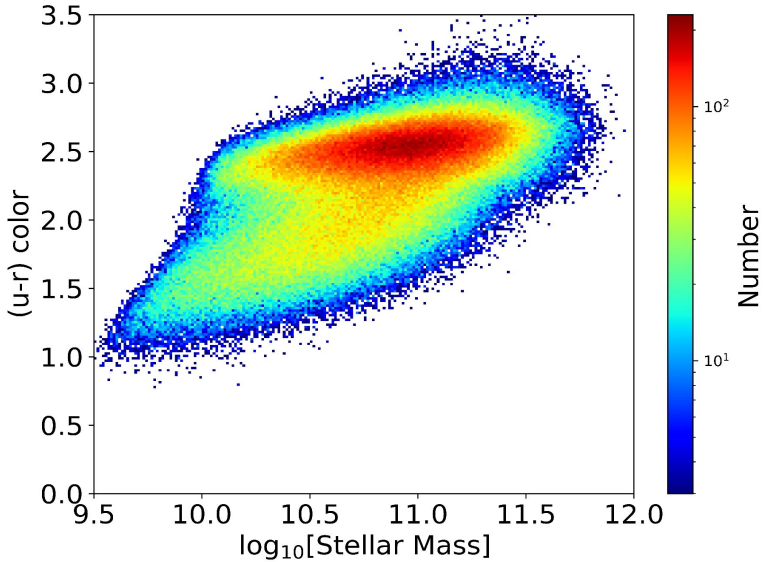
SCIENTIFIC INTERESTS

- **Galaxy formation and evolution**
- **Stellar evolution and stellar population synthesis**
- **H I & Radio Continuum emission**
- **Multi-wavelength astrophysics**

BRIEF CV:

- 2014 - 2018 : BSc in Physics; Copperbelt University (CBU), Zambia
- 2019 - 2021 : Physics Lab Instructor/Introductory course tutor; CBU, Zambia
- 2022 - Present : MSc in Astrophysics; UCT, South Africa (Supervisor: Prof D.J. Pisano)

Plot showing the Bi-modal distribution of galaxies in color versus stellar mass parameter space. (Main highlight: Transitional region between the blue cloud and the red sequence.)



Ihaly García

Instituto de Radioastronomía y Astrofísica, México
i.garcia@irya.unam.mx

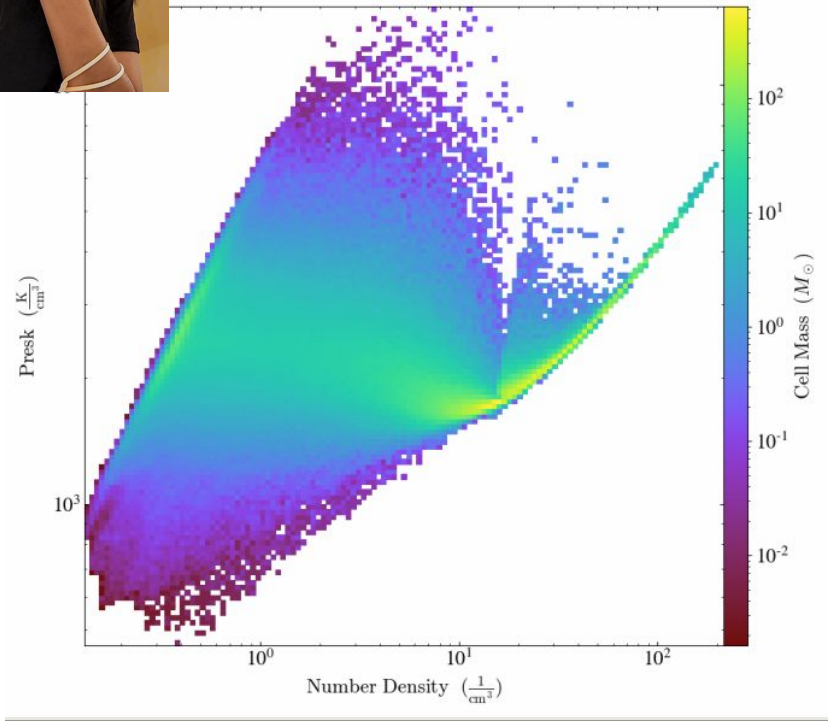
Scientific Interests:

- MHD numerical simulations
- Interstellar Medium in the solar neighborhood
- Neutral atomic phases of the ISM

Brief CV:

2017-2021: Bachelor's degree in Geosciences with a specialization in Space Sciences, UNAM.

2022-present: Master's degree in Astrophysics IRyA, Advisor: Dr. Adriana Gazol Patiño.



Karine Demyk
Institut de Recherche en Astrophysique et Planétologie
Toulouse, France

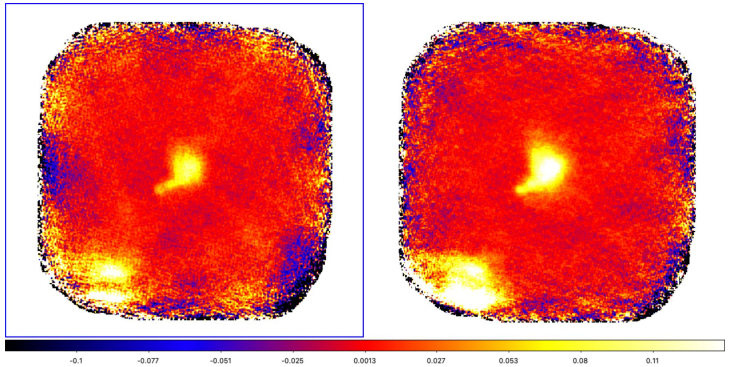
karine.demyk@irap.omp.eu

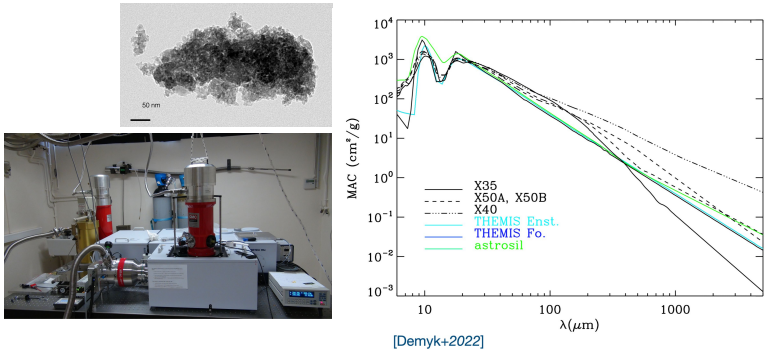
Scientific Interests:

- Cosmic dust properties and evolution
- ISM studies
- Star formation
- IR to mm observations
- Laboratory Astrophysics

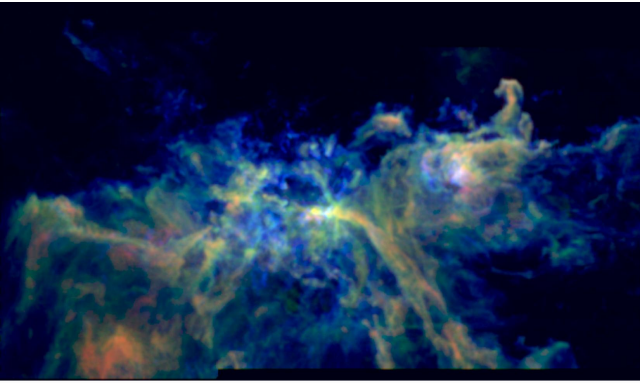
Brief CV:

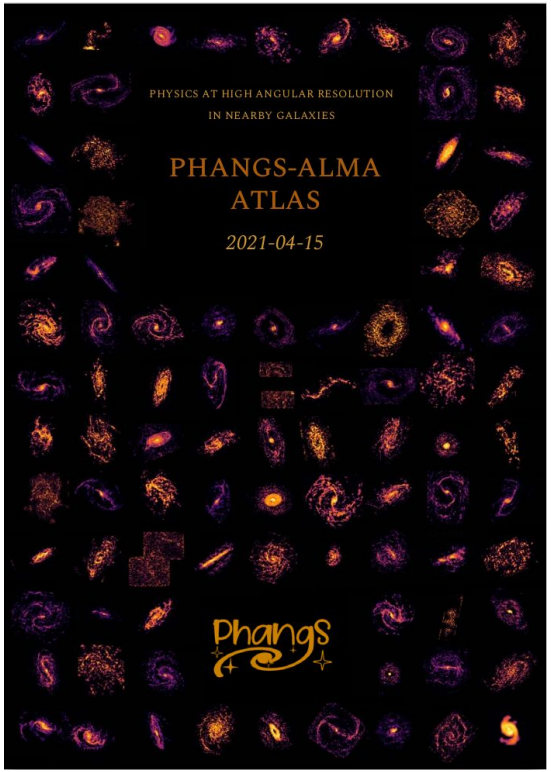
PhD: 2000 from IAS, Orsay, France
2000-2001: Assistant professor, Université Paris-Sud
2001-2002 FOM Institute (The Netherlands) with Gert van Helden
2002-2007 CNRS position at PhLAM (Lille)
2007-present CNRS position at IRAP (Toulouse)





NIKA2 map of B68 at 2 and 1 mm
Study of interstellar silicate dust analogs





Jérôme Pety (pety@iram.fr)
27th year PhD student
IRAM & Obs. de Paris, France

Scientific Interests:

- ISM from high redshift galaxies to star and planet formation
- The Horsehead nebula & Orion B
- Nearby galaxies
- (sub-)mm single-dish and interferometry
- Data reduction, statistics, and machine learning

Brief CV:

- 1997-1999: PhD at Sorbonne University
- 2000-2002: Post-doc IRAM
- 2003-Present: Astronomer at Obs. de Paris, detached to IRAM

anr DAOISM pcmi

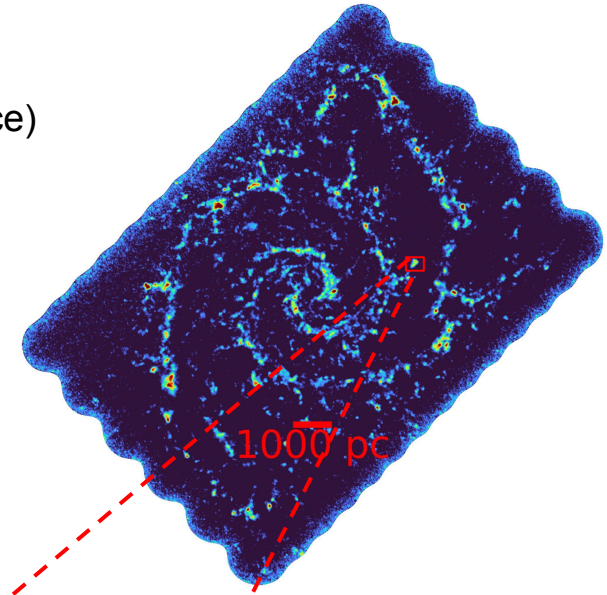
Antoine Zakardjian (azakardjian@irap.omp.eu)
1st year PhD student
Institut de Recherche en Astrophysique et Planétologie (Toulouse, France)

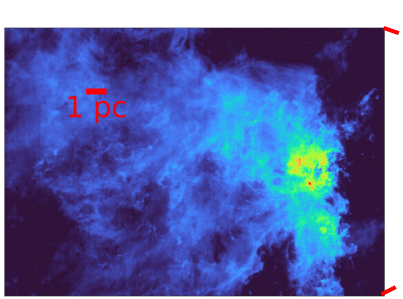
Scientific Interests:

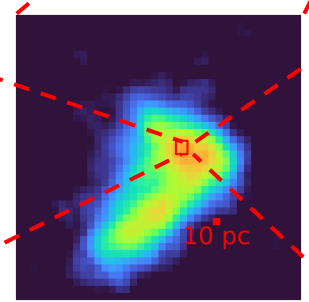
- ISM in the Milky Way and nearby galaxies
- Molecular and dust emission of molecular gas/clouds
- Developing statistical methods to retrieve molecular gas properties

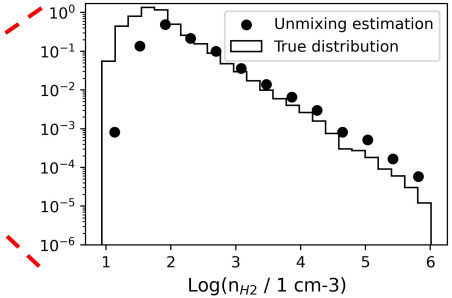
Brief CV:

➔ 2016-2019: BSc in Fundamental Physics (University of Toulouse)
➔ 2019-2022: Engineering Degree (ISAE-SUPAERO, Toulouse)









Who I am

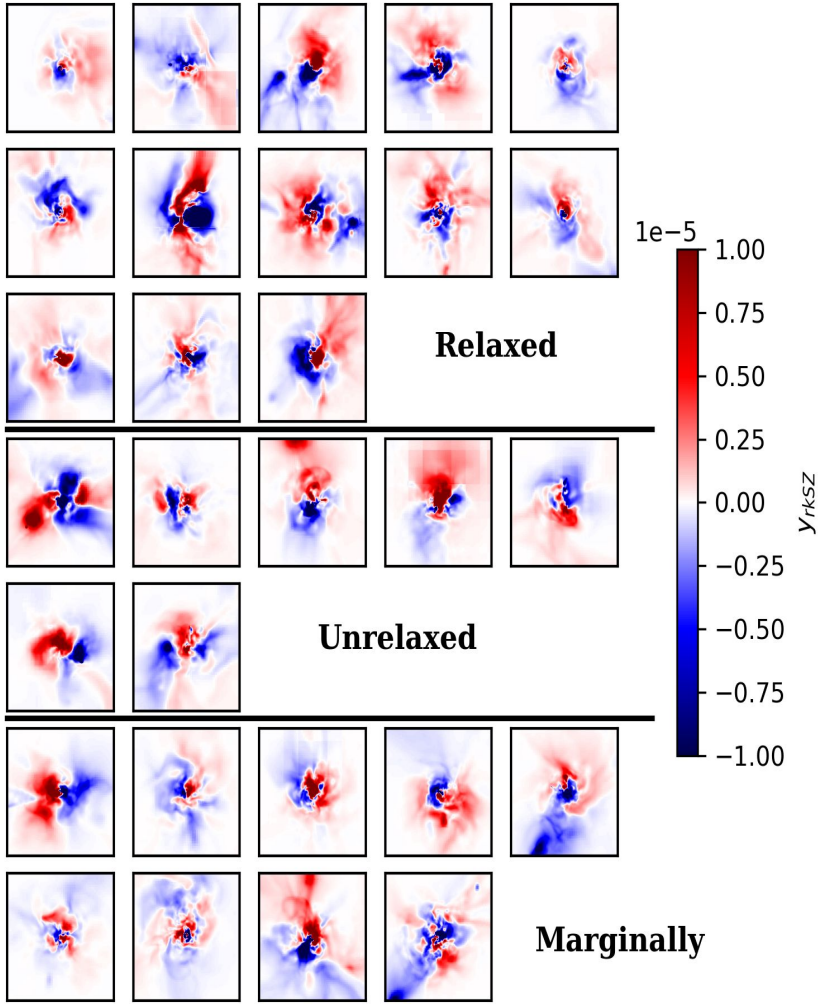
Óscar Monllor Berbegal
First year PhD student at:
Departament d'Astronomia i Astrofísica
Universitat de València, Spain

Scientific interests

- **Cosmological simulations**
- **Galaxy formation and evolution**
- **Dwarf, satelite and ultradifuse galaxies**
- **Properties of clusters of galaxies**

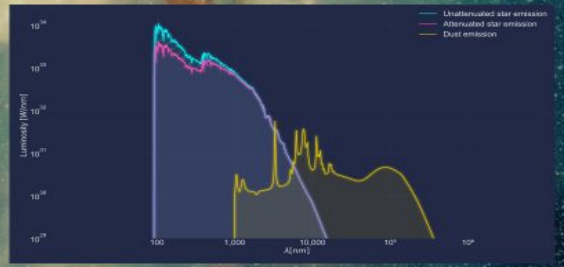
Brief CV

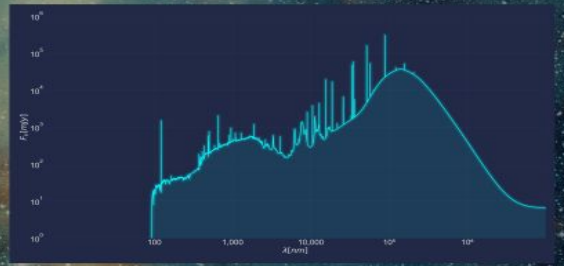
2017-2021: Bachelor's degree in physics (UA)
2021-2022: Master's degree in astrophysics (UV)
2022 - … : PhD student (UV) with supervisors **Vicent Quilis** and **Susana Planelles**



Yannick Roehlly (he/him)

- Studied tropical agronomy.
- Came at Laboratoire d'Astrophysique de Marseille (LAM) in 2009 to work on Herschel surveys.
- Ported CIGALE from Fortran to Python.
- Went to Brighton (UK) to work on the Herschel Extragalactic Legacy Project (HELP).
- On permanent engineer position at LAM since 2019.
    - Gazpar service (CIGALE, Le Phare, HyperZ, Beagle)
    - ASPIC spectro-photometric database
    - SVOM
    - PLATO
    - MOSAIC

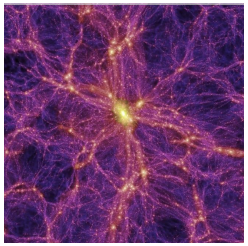


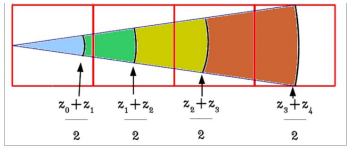


Lucie Scharré

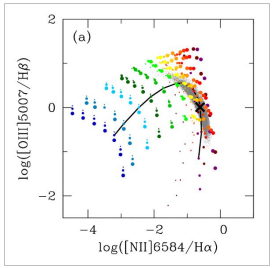
1st year PhD Student

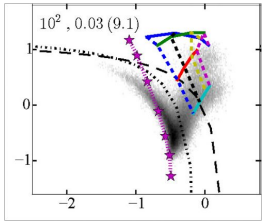
Laboratory for Galaxy Evolution and Spectral Modelling (GALSPEC)
EPFL, Switzerland
lucie.scharre@epfl.ch



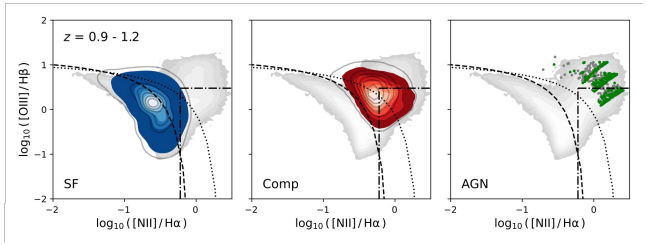


Light cones from the GAEA SAM





Emission line models for SF and AGN



Self-consistent prediction of emission lines!

Research Interests:
Galaxy evolution, numerical simulations, emission line modelling (CLOUDY), spectral diagnostics, EUCLID, stellar and AGN feedback, black hole and star formation

Brief CV:
2017–2022: MPhys in Astrophysics at University of Edinburgh, UK
2022–Now: PhD Student in Astrophysics at EPFL, Switzerland

Jing Li, PhD student
jing.li@uni-heidelberg.de
Supervisor: Dr. Kathryn Kreckel
Astronomisches Rechen-Institut,
Germany

UNIVERSITÄT HEIDELBERG
ZUKUNFT SEIT 1386

Scientific Interest:

- ★ Galaxy Formation and Evolution
- ★ Integral Field Spectroscopic Data
- ★ AGN Feedback
- ★ Supernova Remnants (SNRs) Identification
- ★ Supernova Feedback

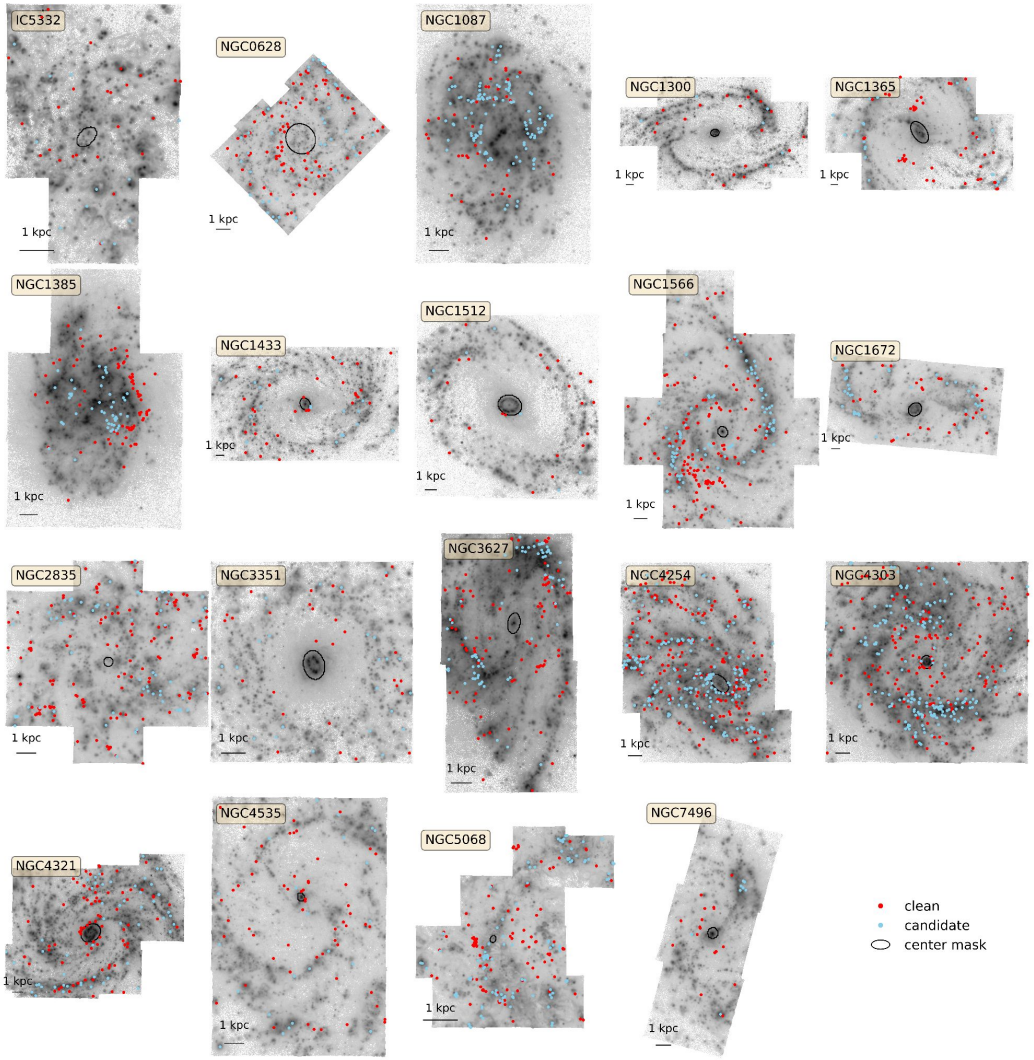
Brief CV:

2018-2019: Masters of Astronomy and Astrophysics, RSAA, Australian National University.

2021-now: PhD student at Heidelberg University

PHANGS

2399 SNRs in 19 galaxies!



Frances Buckland-Willis (she/her) - Final year PhD student

CEA, Université Paris-Saclay
Supervisor: Marc-Antoine Miville-Deschênes

Interests

Neutral hydrogen surveys

The ISM and its chemistry

IVC origins and characteristics

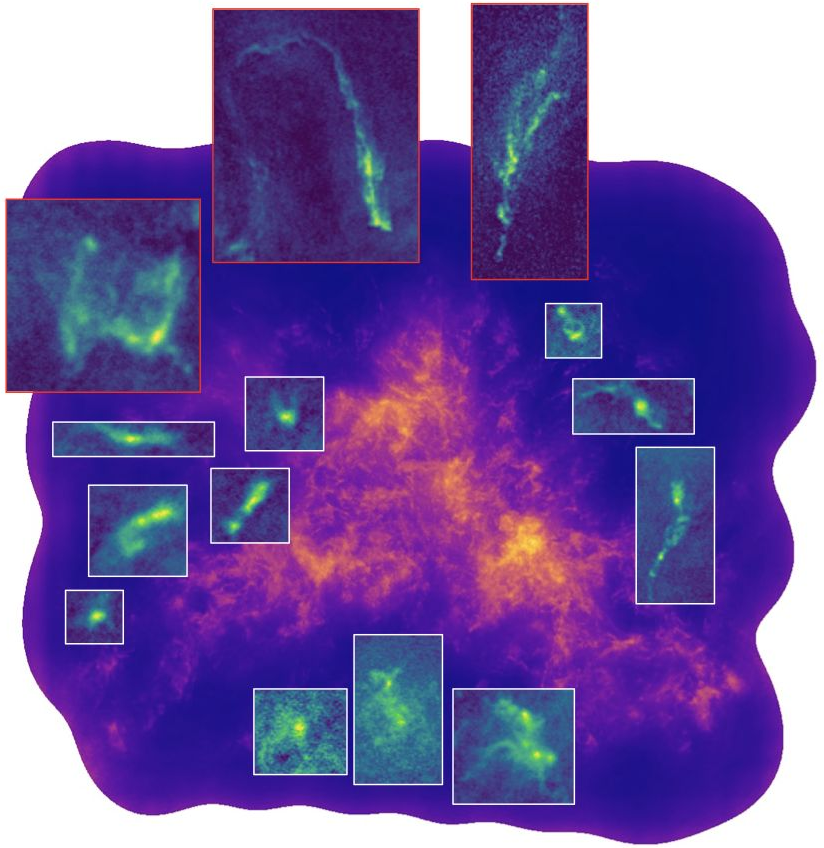
Gaussian decomposition techniques

The Magellanic clouds and the cold gas content

CV

2015 – 2018: Bachelor of Philosophy (Science) + Honours at the Australian National University, Canberra

2020 – Present: PhD student at University Paris-Saclay/CEA



Matthias Weber

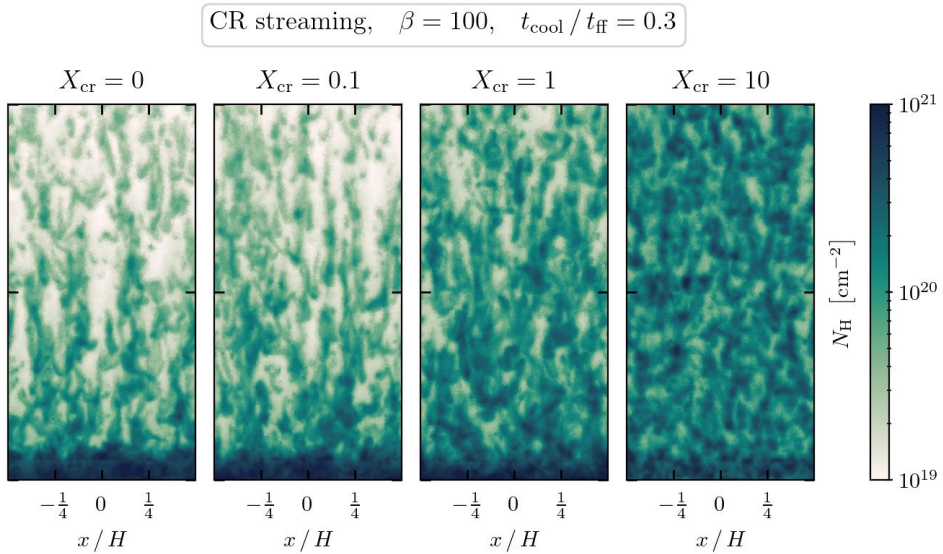
Leibniz Institute for Astrophysics Potsdam (AIP)

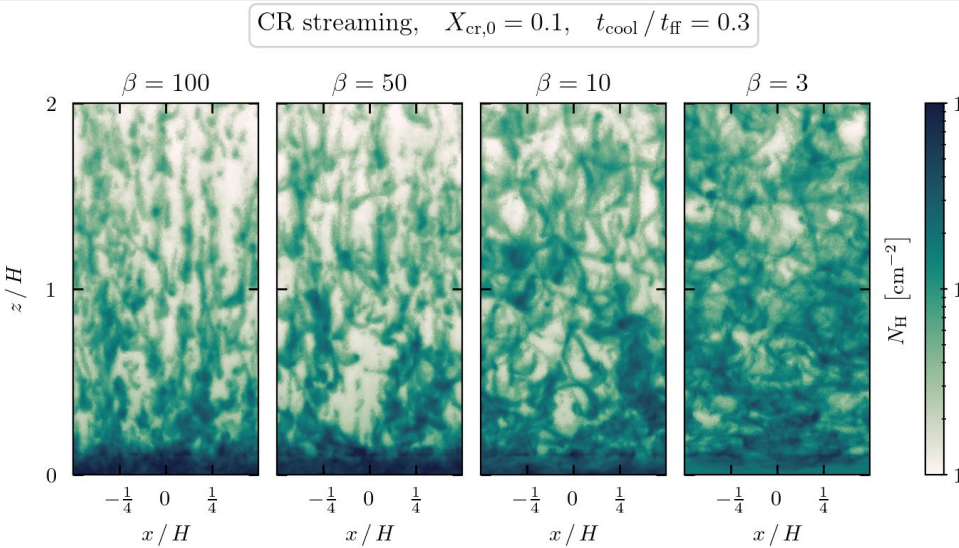
Scientific Interests:

- MHD Simulations
- Cosmic Rays
- Galaxy Evolution
- Circumgalactic Medium
- Thermal Instability

Brief CV

-2018 Renewable Energies, B. + M. Eng., University of Applied Science Regensburg, Germany
2016-2020 Software Engineer,
2020-2022 Astrophysics, , M. Sc., Potsdam University, Germany
2022-now Computational Astrophysics, PhD, Leibniz Institute for Astrophysics, Potsdam, Germany





Lara Pantoni
CEA, Paris-Saclay, France
lara.pantoni@cea.fr

Scientific Interests:

- Interstellar dust
- SED fitting
- Nearby galaxies
- Galaxy formation and evolution
- High-z dusty galaxies (sub-mm galaxies)

Brief CV:

- Master: 2017 at University of Bologna (Italy)
- PhD: 2021 at SISSA (Trieste, Italy)
- 2021-2023 CEA (Paris-Saclay, France) postdoc with F. Galliano, S. Madden, A. Jones, N. Ysard

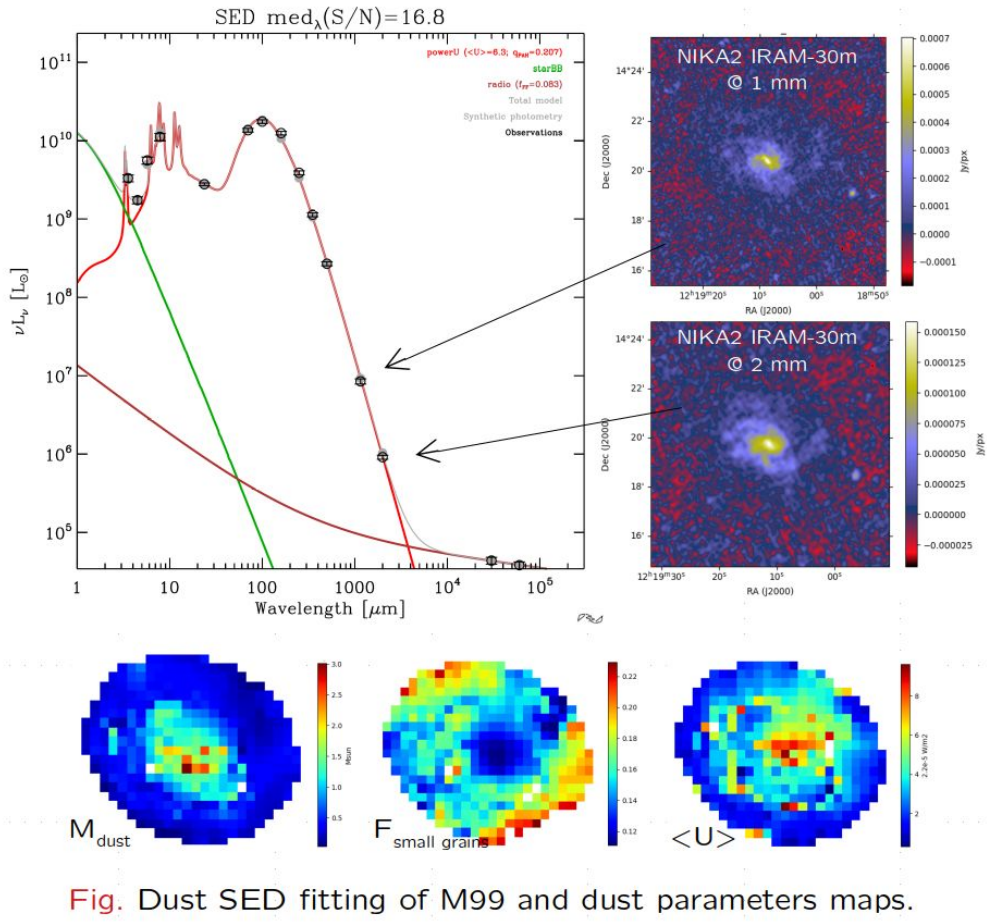


Fig. Dust SED fitting of M99 and dust parameters maps.

Da Eun Kang

PhD student (finished defence in May)

Institute for Theoretical Astrophysics (ITA), Heidelberg University, Germany

daeun.astro@gmail.com

UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386

erc ECOGAL

Research Interest:

Current:

- ❏ Deep learning, invertible neural network,
- ❏ Star formation, stellar feedback, HII regions
- ❏ Young stars, pre-main-sequence stars

Previous:

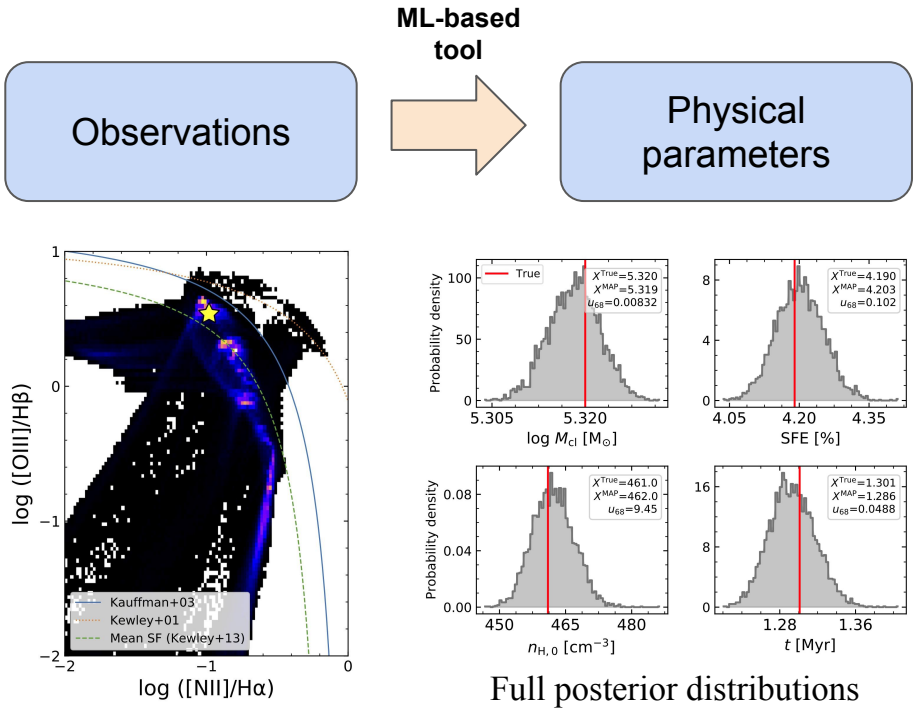
- ❏ IFU optical observations, AGN feedback

Brief CV

2019-2023: PhD @ Heidelberg University, Germany

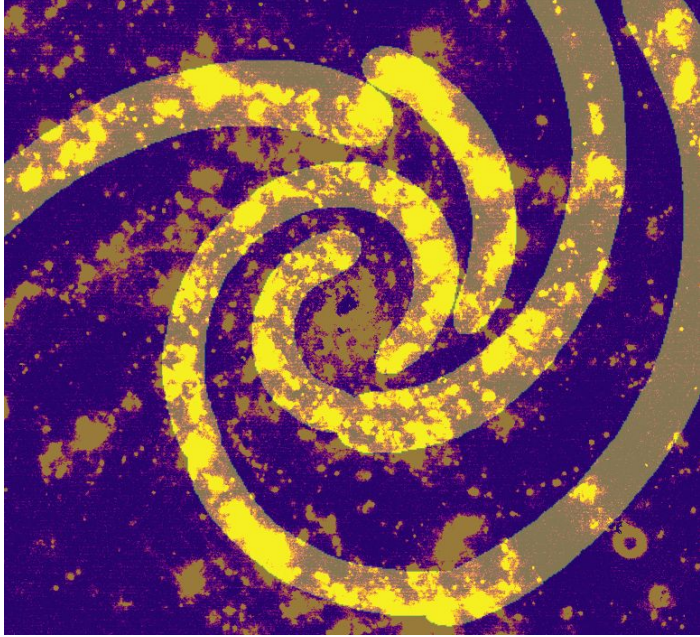
2017-2019: MSc @ Seoul National University, Korea

2012-2017: BSc @ Seoul National University, Korea



Andrea Romanelli

1st year PhD student
Supervisor: Mélanie Chevance
Heidelberg University (Germany)



Scientific interests

ISM, Star formation, feedback processes, nearby galaxies, galaxy evolution, galaxy surveys

BRIEF CV

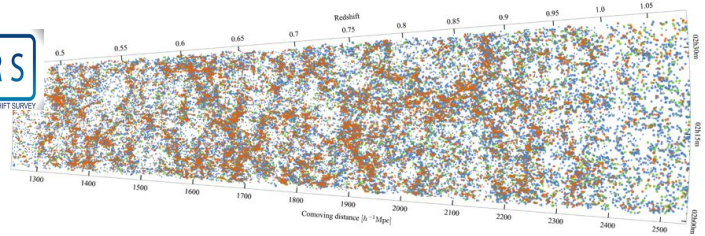
now: PhD @ Institute for Theoretical Astrophysics (ITA)

2022: MSc. in Astrophysics @ University of Padova

2019: BSc. in Physics @ University of Florence

PHANGS

VIPERS
VIMOS PUBLIC EXTRAGALACTIC REDSHIFT SURVEY



Deb/Debosmita Pathak (they/them)

1st year Ph.D. student at the Ohio State University, USA

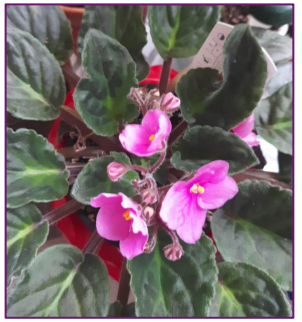
pathak.89@buckeyemail.osu.edu

▶ Brief CV

2018-2022: B.A (Physics & Mathematics), Grinnell College

2022-present: Ph.D. student, Ohio State University

Other interests:



▶ Research Interests

Galaxies (in general)

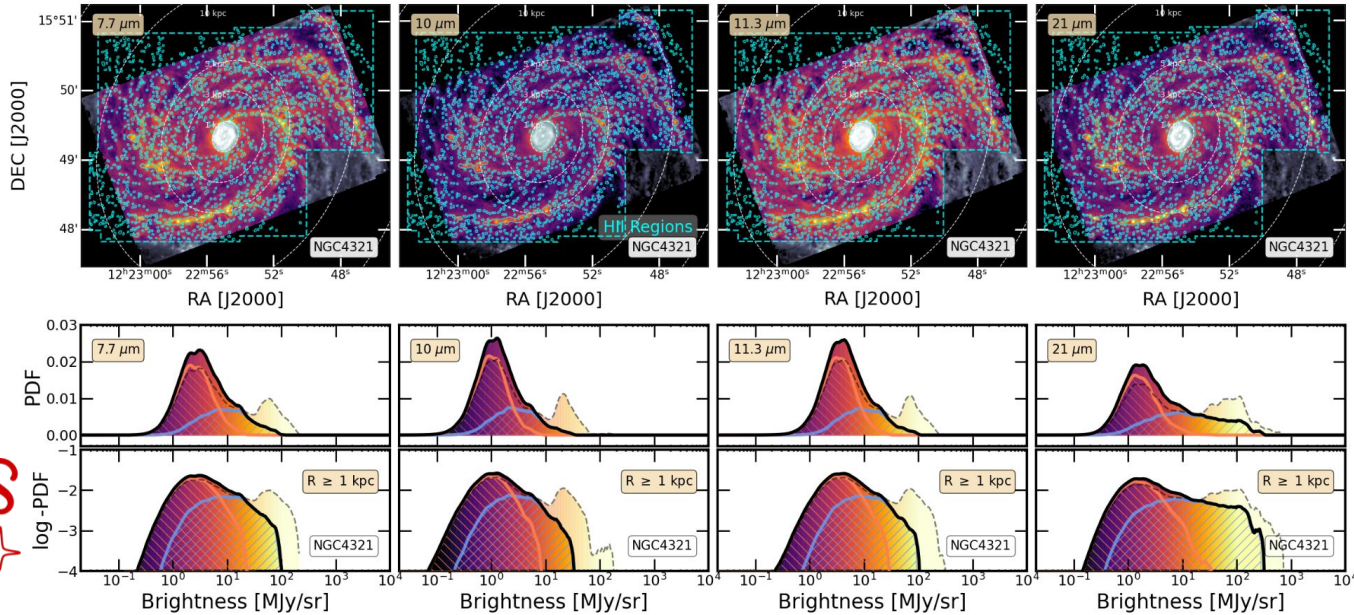
Star-formation/feedback

Extragalactic ISM studies

Large scale surveys

Cosmological simulations

▼ Probability Distribution Function of mid-IR intensity of nearby galaxies



THE OHIO STATE UNIVERSITY

PHANGS

Francisco Jara Ferreira

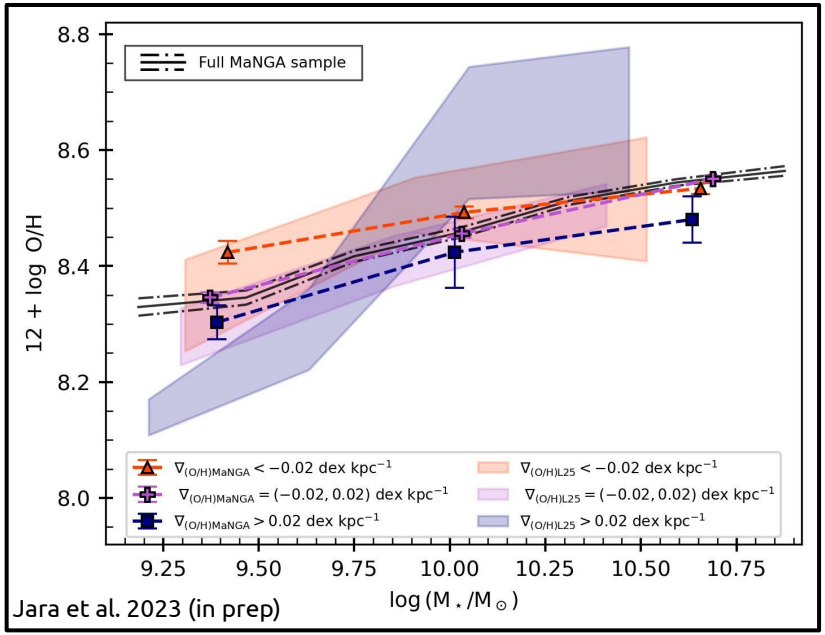
Instituto de Astrofísica UC
Pontificia Universidad Católica de Chile
Núcleo Milenio ERIS
fujara@uc.cl

Scientific Interests

- ❏ Chemical Evolution of galaxies
- ❏ Galaxy Formation and Evolution
- ❏ Cosmological Simulations
- ❏ Galaxy Scaling Relations
- ❏ Lately: AGN Feedback

Brief CV

2017-2022 → Bachelor's degree in Astronomy, PUC
2023 → Master's degree in Astrophysics, PUC
Advisor: Dr. Patricia Tissera



Jara et al. 2023 (in prep)

Scientific Outreach

@f_itinerante @genuniversal @observatoriofoster

Ana León

ana.leon@userena.cl

Modeling of emission line profiles

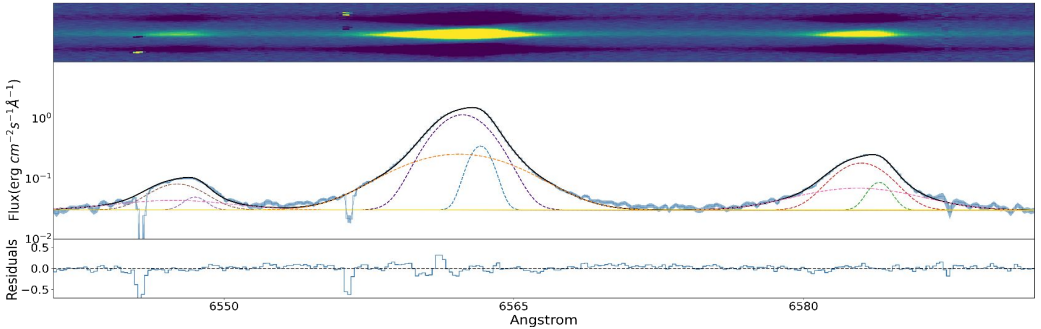
Scientific Interests:

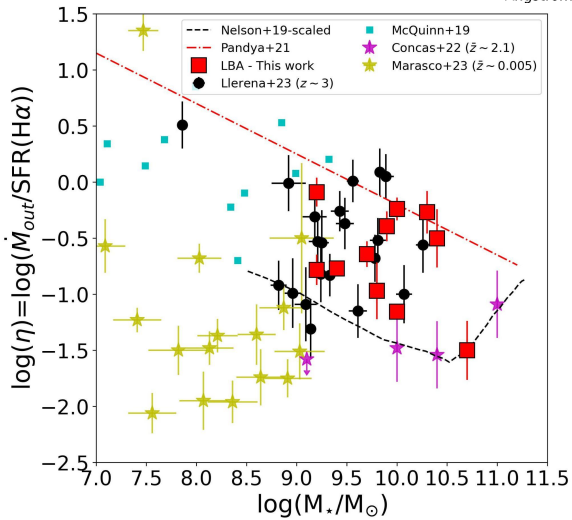
- ★ Star formation
- ★ Ionized gas kinematics
- ★ Feedback from massive stars

Brief CV:

- 2016-2020: B.Sc in Astronomy, University of La Serena, Chile (Supervised by Ricardo Amorín)
- 2021-2023(July): M.Sc in Astronomy, University of La Serena, Chile (Supervised by Ricardo Amorín & Vital Fernández)

Now looking for a Ph.D. program





León-contreras et al. in prep

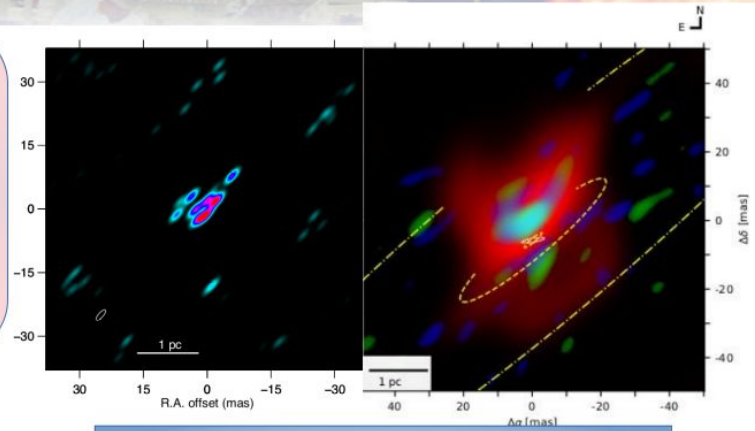
Determination of the mass loading factor in local galaxies with starbursts analogs to LBGs.

Fondecyt-Regular 1202007

Fondecyt
Fondo Nacional de Desarrollo Científico y Tecnológico

Niklas Moszczyński –
niklas.moszczynski@obspm.fr
1st year PhD student, LESIA, OBSPM – Meudon
Supervisors: Yann Clénet, LESIA, OBSPM &
Romain Petrov, Laboratoire J.-L. Lagrange, OCA

Near IR observations of AGN NGC1068 using the VLTI and numerical radiative transfer simulation



Gravity collaboration et al 2020
Gamez-Rosas et al 2022

CV:

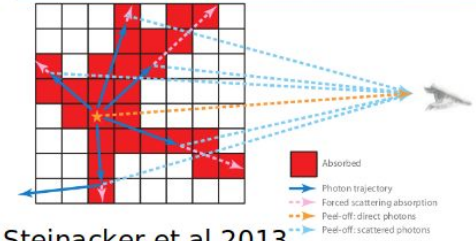
1st year PhD student (2022-)
Radiative transfer analysis of the dust structure in AGNs

Master's degree:
Physics and Astronomy
University of Chalmers
(Gothenburg, Sweden), 2019

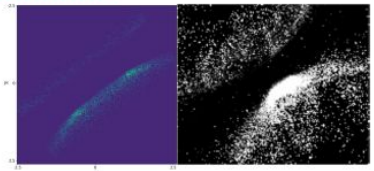
Scientific Interests:

Dusty torus models of AGNs
Radiative transfer simulations

Dust, ISM in galaxies and IGM
AGN feedback
Hydrosimulations



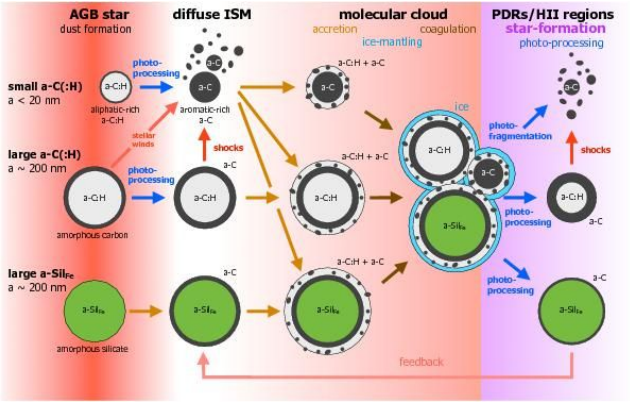
Steinacker et al 2013



Nathalie Ysard, Institut d'Astrophysique Spatiale, Orsay (France) nathalie.ysard@cnrs.fr

Scientific Interests:

- Interstellar dust evolution from the diffuse ISM to cold cores (obs. & models)
- THEMIS: The Heterogeneous dust Evolution Model for Interstellar Solids https://www.ias.u-psud.fr/themis/
- DustEM: numerical tool to model dust emission and extinction (polarised or not) https://www.ias.u-psud.fr/DUSTEM/



Brief CV:

PhD: 2009 from Université Paris Sud 11
2009-2012: post-doc at the University of Helsinki (Finland) with Mika Juvela
2012-2014: CNES post-doc at IAS (Orsay, France) with Alain Abergel
2014-2023: CNRS researcher at IAS (Orsay, France)
09/2023- : CNRS researcher at IRAP (Toulouse, France)

Joanne Tan

Journey so far:

2022-present, PhD: Max Planck Institute for Astrophysics (MPA)

2020-2022, MS: Texas A&M University

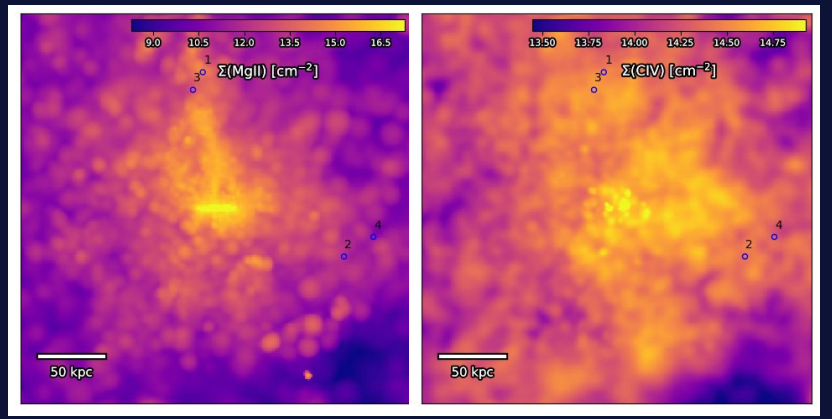
2016-2019, BA: UC Berkeley

Research Interests:

The circumgalactic medium (CGM), galaxy formation and evolution, stellar kinematics and dynamics, AGN variability

Personal Interests:

Video games, nature photography, hiking, food adventures



@tanofspace

tanofspace.github.io

jtan@mpa-garching.mpg.de

Yi Ren
Waseda Univerisity, Tokyo, Japan
renyi@toki.waseda.jp
Supervisor: Prof. Akio Inoue

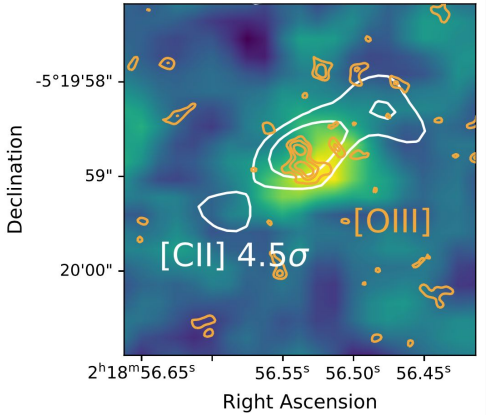
Scientific Interest:

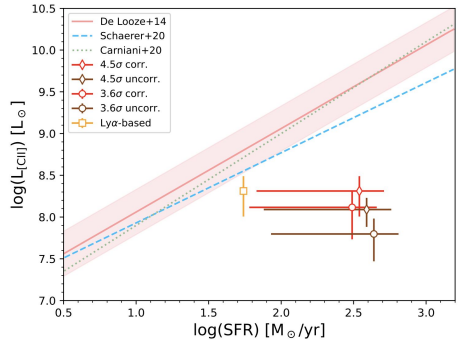
- High-redshift galaxies
- Physical properties of ISM
- Reionization
- Observations (ALMA, JWST, etc.)

Brief CV:

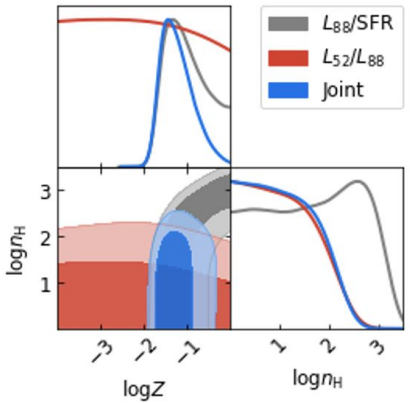
- 2020-2022: M.S. at Waseda University
- From 2022: PhD at Waseda University
- From April, 2023: JSPS research fellowship for young scientists

SXDF-NB1006-2 at z=7.2:

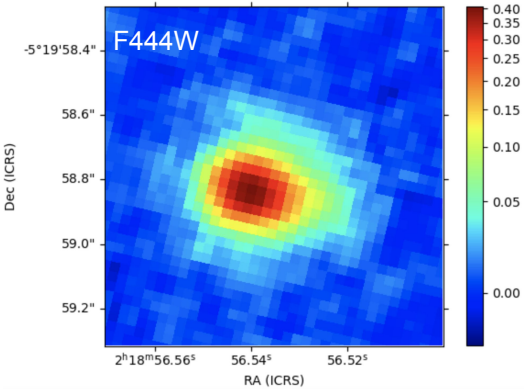




Ren et al. (2023) arXiv:2302.02365



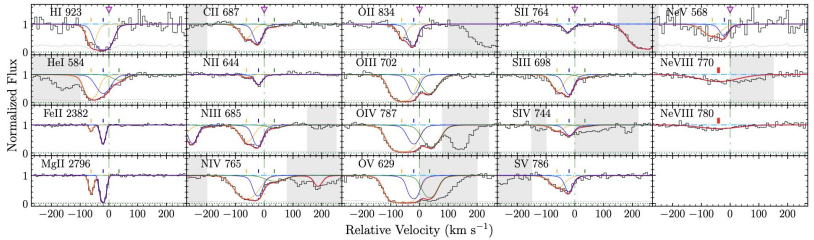
From Shengqi Yang

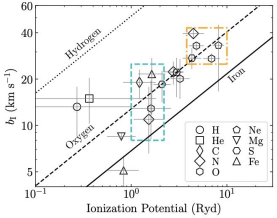


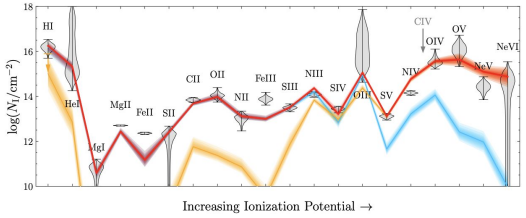
Ren et al., in prepare

GISM2: 2023 International Summer School on the ISM of Nearby Galaxies
July 25 - August 2, Banyuls-sur-Mer, France

Hsiao-Wen Chen
The University of Chicago
hchen@astro.uchicago.edu





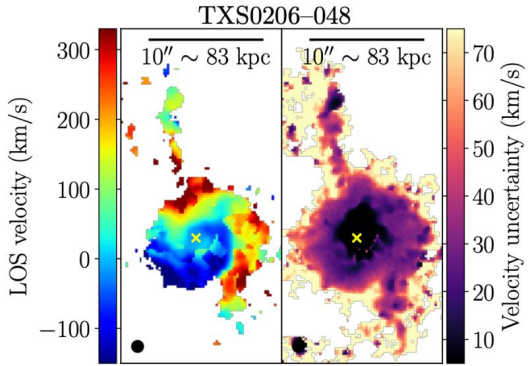


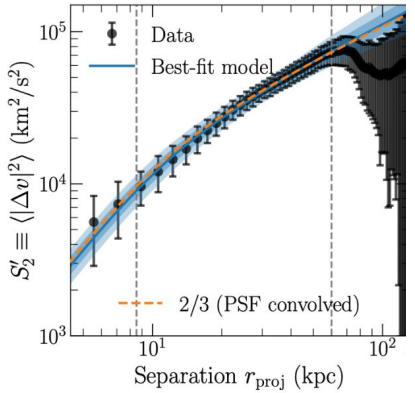
Scientific Interests:

- the baryon cycle
- the circumgalactic medium in absorption and in emission
- damped Lyα absorbers as probes of ISM in distant star-forming galaxies
- chemical enrichment history
- IFU observations/interpretations

Brief CV:

BSc/Msc 1994 at National Taiwan University
PhD 1999 Stony Brook University
Hubble Fellow 2002 MIT
Professor 2005: The University of Chicago

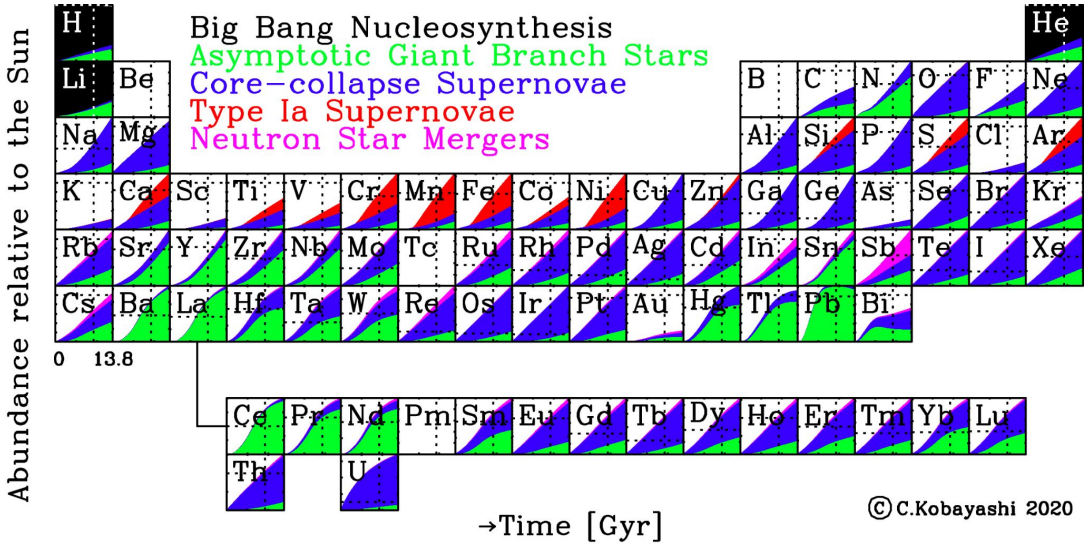




Chiaki Kobayashi

Professor
University of Hertfordshire
United Kingdom
Lecture on Thursday

c.kobayashi@herts.ac.uk



Scientific Interests:

- Chemical Evolution of Galaxies
- The Origin of Elements
- Simulations of Galaxies

Brief CV:

19xx born, Tokyo, Japan
2002 PhD, Univ. of Tokyo
2005 MPA postdoc, Munich, Germany
2008 Stromlo Fellow, ANU, Canberra, Australia
2011 senior lecturer, UH, near London, UK

Other Interests:

Raphaël Maris (rmaris@irap.omp.eu)
1st year PhD student,
Institut de Recherche en Astrophysique et Planétologie (Toulouse, France)

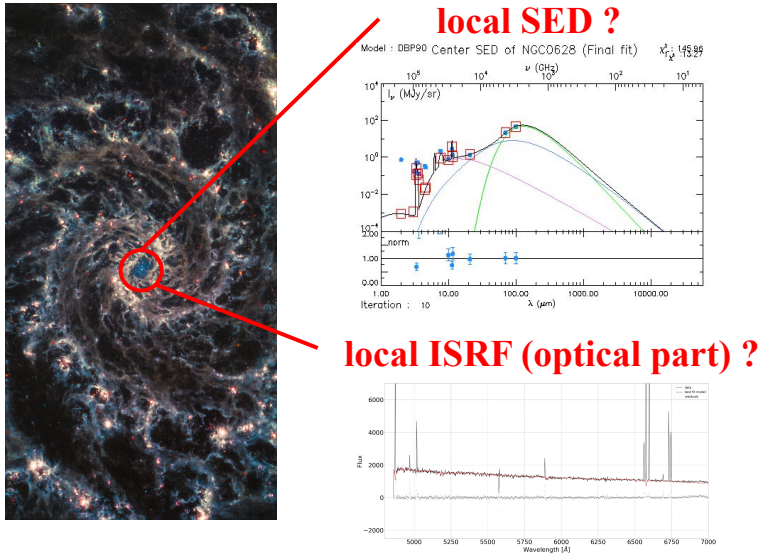
Research Interest :

- PAH properties in nearby galaxies (using the James Webb Space Telescope - JWST, 19 nearby galaxies).
- The local Interstellar Radiation Field (ISRF) from these nearby galaxies
- Comparison of JWST observations with their corresponding local ISRF from different physical dust models

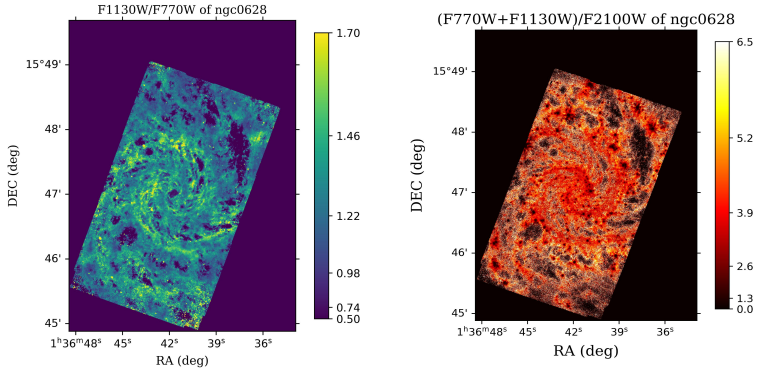
Brief CV :

1st year in Phd (2022 - present)
2nd Master degree, Paul Sabatier University, Toulouse, France (2021-2022)
1st Master degree, University of Montreal, Canada (2020-2021)

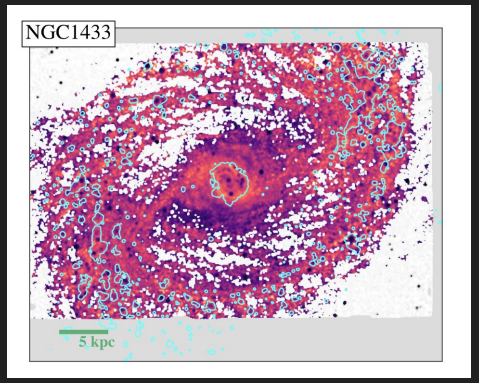
Summary of research interest :



Example of map of visualisation of PAH properties :



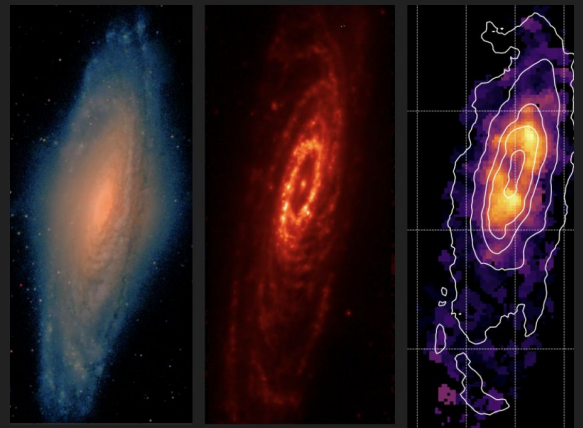
Jessica Sutter



Brief CV:

- Current Postdoc at UCSD, working with Karin Sandstrom
- Postdoc at SOFIA Science Center: 2021-2022
- PhD: University of Wyoming, 2021

Will be starting a faculty job in 2024!



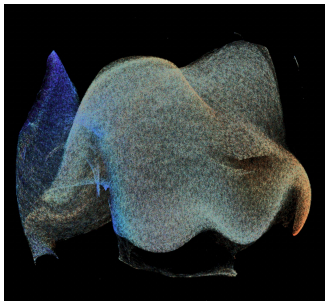
Research Interests:

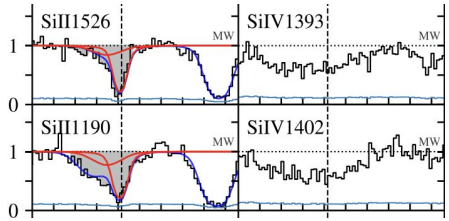
- PAHs! Working with the PHANGS JWST data to study distribution and properties of PAHs
- [CII] 158 micron line: what can we use it for? What causes the [CII] deficit?

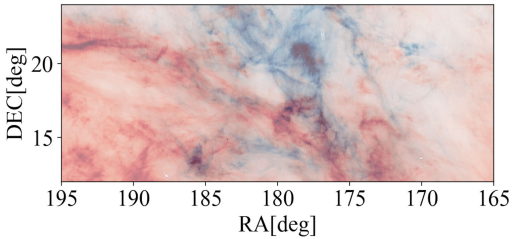
Also, open water swimming, backpacking, and science communication!

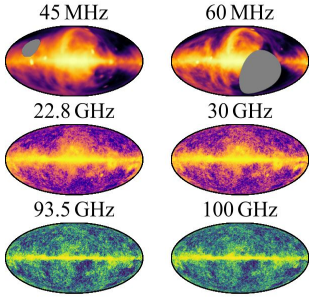
Doyeon Avery Kim

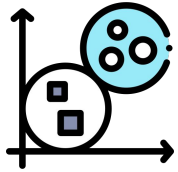
PhD student @ Columbia University (w/ Mary Putman)
B.A.s @ UC Berkeley (HERA group)



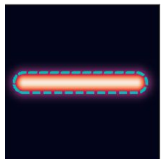








$$p(\mathbf{d}|\mathcal{M}) = \int p(\mathbf{d}|\mathbf{m},\mathcal{M})p(\mathbf{m}|\mathcal{M})d\mathbf{m},$$



Linear Structures in ISM
Galactic Magnetic Field

Small Scale Structures in CGM

Model Diffuse Galactic Emission

Association between Gas Phases

Sim-based Inference

Interaction between ISM & CGM

Galactic velocity field

Data → Tools → Science