

ÁLVARO RIBAS - CV

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Research interests: Protoplanetary and debris disks, exoplanets, statistics and machine learning, radio interferometry.

POSITIONS

Research Associate (University of Cambridge, UK)	2022 - present
ESO/ALMA Fellow (ESO, Chile)	2018 - 2022
Postdoctoral Researcher (Boston University, USA)	2015 - 2018
Herschel Processing Environment Tester (ESAC/ESA, Spain)	2011 - 2012
ESA Trainee (ESAC/ESA, Spain)	2011

EDUCATION

PH.D. ASTROPHYSICS Universidad Autónoma de Madrid & European Space Astronomy Centre (ESA) Thesis: <i>Protoplanetary disk evolution in nearby star-forming regions</i>	2015
M.SC. ASTROPHYSICS Universidad Complutense de Madrid & Universidad Autónoma de Madrid	2012
B.SC. PHYSICS (MAJOR: ASTROPHYSICS) Universidad Complutense de Madrid & Universidad de Salamanca	2011

REFEREED PUBLICATIONS

I am the **first author of 10 refereed publications and co-author of other 54**, including 6 as second author. See Publication List for details.

FELLOWSHIPS AND AWARDS

Trinity College Postdoc Society Member (U. of Cambridge)	2024
Joint ALMA Observatory Fellowship	2022 (declined)
ESO/ALMA Fellowship	2018
SMA Fellowship (Harvard & Smithsonian CfA)	2018 (declined)
FONDECYT Postdoctoral Fellowship (Chilean Government)	2018 (declined)
IdEx Bordeaux Post-doctoral fellowship (University of Bordeaux)	2018 (declined)
ESA Traineeship	2011

SEMINARS & CONFERENCE CONTRIBUTIONS

Invited talks and seminars

ESO Lunch Talk	European Southern Observatory, Germany, 2024
Astrocoffee seminar	U. of Hawaii, USA, 2024
DAMTP seminar	U. of Cambridge, UK, 2024
Centre for Astrophysics Research seminar	U. of Hertfordshire, UK, 2023
Machine Learning in Astronomy	Virtual, 2021
IPAG Odyssey star and planet formation group	Virtual, 2021
SMA Fellowship seminar	Harvard & Smithsonian CfA, USA, 2017
CfA star-formation journal club	Harvard & Smithsonian CfA, USA, 2017
JPL Luncheon Seminar	Jet Propulsion Laboratory, USA, 2014

Contributed talks

ALMA Cycle 8 Proposal Workshop	Virtual, 2021
ALMA Community Day	Joint ALMA Observatory, Chile, 2020
Great Barriers in Planet Formation	Palm Cove, Australia, 2019
ALMA Community Day	Joint ALMA Observatory, Chile, 2019
Summer Protoplanetary Disk Workshop 2019	ESO, Chile, 2019
Spanish Astronomical Society meeting	Salamanca, Spain, 2018
MA-CT Regional Star Formation Meeting 2018	Boston U., USA, 2018
Boston Area Exoplanet Science Meeting	MIT, USA, 2017
MA-CT Regional Star Formation Meeting 2017	Yale, USA, 2017
Star Formation 2016	Exeter, UK, 2017
NRAO Live! Event at Boston University	Boston U., USA, 2016
ALMA/Herschel Archival Workshop	ESO, Germany, 2015
ESA Inter-Departmental Science Workshop	Aranjuez, Spain, 2013
ESA Summer Alumni Trainee Meeting	ESAC, Spain, 2012
ESA Summer Alumni Trainee Meeting	ESAC, Spain, 2011
HIPE forum 2011	Garmisch-Partenkirchen, Germany, 2011

Ten contributed conferences posters.

TEACHING

Dustbusters School II on protoplanetary disks (Tutor)	Lyon, 2024
8th Byurakan International Summer School (Lecturer)	Virtual, 2022
OPTICON Archival School (Tutor)	Virtual, 2021
Guest lecturer:	
- Research Seminar for Summer Interns, University of Cambridge	2023
- Advanced Topics of Astrophysics, Universidad Andrés Bello, Chile	2020
- Advanced Topics of Astrophysics, Universidad Andrés Bello, Chile	2019
- AS203 Principles of Astronomy 2, Boston University, USA	2018
- Research Experiences for Undergraduates, Boston University, USA	2017

ACADEMIC MENTORING

Camilo González (PhD Student, external advisor, U. Diego Portales)	2021-2024
Lavinia Delfini (Master's Student, U. of Cambridge)	2023-2024
Isaac Fernandes (Master's Student, U. of Cambridge)	2023-2024
Dario Dal Fiume (Undergraduate thesis, Scuola Universitaria Superiore Pavia)	2023-2024

Thomas Lack (Master's Student, U. of Cambridge)	2022-2023
Edward Stevenson (Master's Student, U. of Cambridge)	2022-2023
Mariana Sanchez (ESO Internship)	2021
Christian García (Master's Student, U. Internacional de Valencia)	2021
Leonel Ramírez (Master's Student, U. Internacional de Valencia)	2021
Sarah Luetngen (Undergraduate Student, Boston U.)	2018
Evan Leto (Undergraduate Student, Boston U.)	2016 - 2017
Amanda Reveles (Undergraduate Student, Boston U.)	2016 - 2017
Isabel Rebolledo (ESA trainee)	2014 - 2015

PROFESSIONAL SERVICE

STFC Large Award external reviewer	2024
JWST Cycle 3 proposal reviewer	2024
Ph.D. Thesis committee member (Camilo Gonzalez)	2024
NASA Astrophysics Data Analysis reviewer	2023
NASA Exoplanets Research Program reviewer	2022
Science Referee for ApJ, AJ, A&A, and MNRAS	
ESO Science Support Discretionary Fund committee member	2020
ALMA Time Allocation Committee Technical Secretary	Atlanta, USA, 2019
Co-organizer of JAO Colloquia and astro-ph discussions at JAO.	

Conference and Workshop Organization

The Star-Planet Connection Workshop	Virtual, 2021
SOC member	
Reproducibility in Astronomy Workshop	Virtual, 2021
SOC member	
ALMA Cycle 8 Proposal Preparation Workshop	Virtual, 2021
LOC member	
Five years after HL Tau: a new era in planet formation	Virtual, 2020
Promoter, co-chair of SOC & LOC. Over 500 participants.	
Summer Protoplanetary Disk Workshop	ESO, Chile, 2019
LOC member	
MA-CT Regional Star Formation Meeting	Boston U., USA, 2018
Chair of LOC	
ESAC data analysis and statistics Workshop	ESAC, Spain, 2014
SOC & LOC member	

OBSERVING PROPOSALS AND EXPERIENCE

Accepted proposals as PI

- Five ALMA proposals (~55 h of allocated time)
- One VLA proposal (~4 h of allocated time)
- Two VISIR/VLT SV proposals (~3 h of allocated time, no data taken)
- Three Canaricam/GTC proposals (~50 h of allocated time, no data taken)

Accepted proposals as co-I

Co-I of multiple observing programs with ALMA, VLA, SPHERE/VLT, the Herschel Space Observatory, and various ground-based facilities.

Astronomer on Duty at ALMA

2018 - 2022

Duties included the science operations of the ALMA arrays, data quality assurance, as well as performing and reducing ALMA calibration observations.

OUTREACH AND MEDIA

New Scientist interview	2023
ScienceNews.org interview	2022
Radio interview at Radio Infinita	2019
Las Últimas Noticias newspaper interview	2019
Multiple outreach events with the ALMA social networks	
ESO Open House volunteer	2018
Outreach talk at Escuela Particular San Juan Bautista	2018
ESO representative at the Chilean Science Week	2018
Space Science for Kids, Boston University	2018
Public Open Nights at the Observatory, Boston University	2015-2018
Owner of <i>Cartas desde Andrómeda</i> (2009-2014), an outreach blog about science, astronomy, and astrophysics with over 60 000 visits.	

LANGUAGE AND PROGRAMMING SKILLS

Languages: Spanish (native), English (fluent), German (basic)

Programming languages: Python (advanced), Julia (intermediate), PostgreSQL (basic), git and github.

ÁLVARO RIBAS - PUBLICATIONS

REFEREED PUBLICATIONS (FIRST AUTHOR)

10. INNER WALLS OR VORTICES? CRESCENT-SHAPED ASYMMETRIES IN ALMA OBSERVATIONS OF PROTOPLANETARY DISCS
Á. Ribas, C. J. Clarke, F. Zagaría
2024, MNRAS, in press
9. THE ALMA VIEW OF MP MUS (PDS 66): A PROTOPLANETARY DISK WITH NO VISIBLE GAPS DOWN TO 4 AU SCALES
Á. Ribas, E. Macías, P. Weber, S. Pérez, N. Cuello, R. Dong, A. Aguayo, C. Cáceres, J. Carpenter, W. R. F. Dent, I. de Gregorio-Monsalvo, G. Duchene, C. C. Espaillat, P. Riviere-Marichalar, M Villenave
2023, A&A, 673, A77
8. MODELING PROTOPLANETARY DISK SEDS WITH ARTIFICIAL NEURAL NETWORKS. REVISITING THE VISCOUS DISK MODEL AND UPDATED DISK MASSES
Á. Ribas, C. C. Espaillat, E. Macías, L. M. Sarro
2020, A&A, 642, A171 – A&A Highlight
7. LONG-LIVED PROTOPLANETARY DISKS IN MULTIPLE SYSTEMS: THE VLA VIEW OF HD 98800
Á. Ribas, E. Macías, C. C. Espaillat, G. Duchêne
2018, ApJ, 865, 77R
6. FAR-INFRARED TO MILLIMETER DATA OF PROTOPLANETARYDISKS: DUST GROWTH IN THE TAURUS, OPHIUCHUS, AND CHAMAELEON I STAR-FORMING REGIONS
Á. Ribas, C. C. Espaillat, E. Macías, H. Bouy, S. Andrews, N. Calvet, D. A. Naylor, P. Riviere-Marichalar, M., H. D. van der Wiel, D. Wilner
2017, ApJ, 849, 63
5. CONSTRAINING THE PROPERTIES OF TRANSITIONAL DISKS IN CHAMAELEON-I WITH HERSCHEL
Á. Ribas, H. Bouy, B. Merín, G. Duchêne, I. Rebollido, C. Espaillat, C. Pinte
2016, MNRAS, 458, 1029R
4. PROTOPLANETARY DISK LIFETIMES AS A FUNCTION OF STELLAR MASS AND POSSIBLE IMPLICATIONS FOR GIANT PLANET POPULATIONS
Á. Ribas, H. Bouy, B. Merín
2015, A&A, 576, A52
3. DISK EVOLUTION IN THE SOLAR NEIGHBORHOOD. I. DISK FREQUENCIES FROM 1 TO 100 MYR
Á. Ribas, H. Bouy, B. Merín, L. T. Maud
2014, A&A, 555, A71
2. IDENTIFICATION OF TRANSITIONAL DISKS IN CHAMAELEON WITH HERSCHEL
Á. Ribas, B. Merín, H. Bouy, C. Alves de Oliveira, D. R. Ardila, E. Puga, Á. Kóspál, L. Spezzi, N. L. J. Cox, T. Prusti, G. L. Pilbratt, Ph. André, L. Matrà, R. Vavrek
2013, A&A, 552, A115
1. WARM DEBRIS DISKS CANDIDATES IN TRANSITING PLANETS SYSTEMS
Á. Ribas, B. Merín, D. R. Ardila, H. Bouy

REFEREED PUBLICATIONS (CO-AUTHOR)

54. [SEEING THE UNSEEN: A METHOD TO DETECT UNRESOLVED RINGS IN PROTOPLANETARY DISKS](#)
C. E. Scardoni, R. A. Booth, C. J. Clarke, G. P. Rosotti, **Á. Ribas**
2024, MNRAS, in press
53. [DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS \(DESTINYNS\): PDS111, AN OLD T TAURI STAR WITH A YOUNG-LOOKING DISK](#)
A. Derkink, C. Ginski, P. Pinilla, N. Kurtovic, L. Kaper, A. de Koter, P.-G. Viegard, E. Mamajek, F. Backs, M. Benisty, T. Birnstiel, G. Columba, C. Dominik, A. Garufi, M. Hogerheijde, R. van Holstein, J. Huang, F. Ménard, C. Rab, M. C. Ramírez-Tannus, **Á. Ribas**, J. Williams, A. Zurlo
2024, A&A, in press
52. [SEARCHING FOR PLANET-DRIVEN DUST SPIRALS IN VISIBILITY SPACE](#)
E. T. Stevenson¹, **Á. Ribas**, J. Speedie, R. A. Booth, C. J. Clarke
2024, MNRAS, in press
51. [V892 TAU: A TIDALLY PERTURBED CIRCUMBINARY DISC IN A TRIPLE STELLAR SYSTEM](#)
A. Alaguero, N. Cuello, F. Ménard, S. Ceppi, **Á. Ribas**, R. Nealon, M. Vioque, A. Izquierdo, J. Miley, E. Macías, D. J. Price
2024, A&A, in press
50. [DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS\(DESTINYNS\): THE SPHERE VIEW OF THE ORION STAR-FORMING REGION](#)
P.-G. Viegard, C. Ginski, A. Derkink, A. Garufi, C. Dominik, **Á. Ribas**, J. P. Williams, M. Benisty, T. Birnstiel, S. Facchini, G. Columba, M. Hogerheijde, R. G. van Holstein, J. Huang, M. Kenworthy, C. F. Manara, P. Pinilla, Ch. Rab, R. Sulaiman, A. Zurlo
2024, A&A, 685, A54
49. [THE SPHERE VIEW OF THE TAURUS STAR-FORMING REGION. THE FULL CENSUS OF PLANET-FORMING DISKS WITH GTO AND DESTINYNS PROGRAMS](#)
A. Garufi, C. Ginski, R. G. van Holstein, M. Benisty, C. F. Manara, S. Pérez, P. Pinilla, **Á. Ribas**, P. Weber, J. Williams, L. Cieza, C. Dominik, S. Facchini, J. Huang, A. Zurlo, J. Bae, J. Hagelberg, Th. Henning, M. R. Hogerheijde, M. Janson, F. Ménard, S. Messina, M. R. Meyer, C. Pinte, S. P. Quanz, E. Rigliaco, V. Roccatagliata, H. M. Schmid, J. Szulágyi, R. van Boekel, Z. Wahhaj, J. Antichi, A. Baruffolo, T. Moulin
2024, A&A, 685, A53
48. [THE SPHERE VIEW OF THE CHAMAELEON I STAR-FORMING REGION](#)
C. Ginski, R. Tazaki, M. Benisty, A. Garufi, C. Dominik, **Á. Ribas**, N. Engler, T. Birnstiel, G. Chauvin, G. Columba, S. Facchini, A. Goncharov, J. Hagelberg, T. Henning, M. Hogerheijde, R. G. van Holstein, J. Huang, T. Muto, P. Pinilla, K. Kanagawa, S. Kim, N. Kurtovic, M. Langlois, C. Manara, J. Milli, M. Momose, R. Orihara, N. Pawellek, C. Pinte, C. Rab, T. O. B. Schmidt, F. Snik, Z. Wahhaj, J. Williams, A. Zurlo
2024, A&A, 685, A52

¹Former Master's student

47. [AB AUR, A ROSETTA STONE FOR STUDIES OF PLANET FORMATION \(III\): CONTINUUM OBSERVATIONS AT 2 AND 7 MM](#)
P. Rivière-Marichalar, E. Macías, C. Baruteau, A. Fuente, R. Neri, **Á. Ribas**, G. Esplugues, D. Navarro-Almada, M. Osorio, G. Anglada
2023, *A&A*, 683, A141
46. [DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS \(DESTINY\): HD 34700 A UNVEILS AN INNER RING](#)
G. Columba, R. Rigliaco, R. Gratton, D. Mesa, V. D’Orazi, C. Ginski, N. Engler, J. P. Williams, J. Bae, M. Benisty, T. Birnstiel, P. Delorme, C. Dominik, S. Facchini, F. Menard, P. Pinilla, C. Rab, **Á. Ribas**, V. Squicciarini, R. G. van Holstein, A. Zurlo
2023, *A&A*, 681, A19
45. [AZIMUTHAL TEMPERATURE VARIATIONS IN ISO-OPH2 FROM MULTI-FREQUENCY ALMA OBSERVATIONS](#)
S. Casassus, L. Cieza, M. Cárcamo, **Á. Ribas**, V. Christiaens, A. Rodríguez-Jiménez, C. Arce-Tord, T. Bhowmik, P. Chavan, C. González-Ruilova, R. Martínez-Brunner, V. Guidotti, M. Leiva
2023, *MNRAS*, 526, 1545
44. [CLUSTERING PROPERTIES OF INTERMEDIATE AND HIGH-MASS YOUNG STELLAR OBJECTS](#)
M. Vioque, M. Cavieres, M. Pantaleoni González, **Á. Ribas**, R. D. Oudmaijer, I. Mendigutía, L. Kilian, H. Cánovas, M. A. Kuhn
2023, *AJ*, 166, 183
43. [SUDDEN EXTREME OBSCURATION OF A SUN-LIKE MAIN-SEQUENCE STAR: EVOLUTION OF THE CIRCUMSTELLAR DUST AROUND ASASSN-21QJ](#)
J. P. Marshall, S. Ertel, F. Kemper, C. del Burgo, G. P. P. L. Otten, P. Scicluna, S. T. Zeegers, **Á. Ribas**, O. Morata
2023, *ApJ*, 954, 140
42. [TENTATIVE CO-ORBITAL SUBMILLIMETER EMISSION WITHIN THE LAGRANGIAN REGION L₅ OF THE PROTOPLANET PDS 70B](#)
O. Balsalobre-Ruza, I. de Gregorio-Monsalvo, J. Lillo-Box, N. Huélamo, **Á. Ribas**, M. Benisty, J. Bae, S. Facchini, R. Teague
2023, *A&A*, 675, A172
41. [DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS \(DESTINY\): DIVERSE OUTCOMES OF BINARY-DISK INTERACTIONS](#)
Y. Zhang, C. Ginski, J. Huang, A. Zurlo, H. Beust, J. Bae, M. Benisty, A. Garufi, M. R. Hogerheijde, R. G. van Holstein, M. Kenworthy, M. Langlois, C. F. Manara, P. Pinilla, C. Rab, **Á. Ribas**, G. P. Rosotti, J. Williams
2023, *A&A*, 672, A145
40. [DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS \(DESTINY\): CHARACTERIZATION OF THE YOUNG STAR T CRA AND ITS CIRCUMSTELLAR ENVIRONMENT](#)
E. Rigliaco, R. Gratton, S. Ceppi, C. Ginski, M. Hogerheijde, M. Benisty, T. Birnstiel, M. Dima, S. Facchini, A. Garufi, J. Bae, M. Langlois, G. Lodato, E. Mamajek, C. F. Manara, F. Ménard, **Á. Ribas**, and A. Zurlo
2023, *A&A*, 671, A82
39. [DETERMINING DUST PROPERTIES IN PROTOPLANETARY DISKS: SED-DERIVED](#)

MASSES AND SETTLING WITH ALMA

A. M. Rilinger, C. C. Espaillat, Z. Xin, **Á. Ribas**, E. Macías
2023, ApJ, 944, 66

38. MEASURING THE DUST MASSES OF PROTOPLANETARY DISKS IN LUPUS WITH ALMA: EVIDENCE THAT DISKS CAN BE OPTICALLY THICK AT 3 MM
Z. Xin, C. C. Espaillat, A. M. Rilinger, **Á. Ribas**, E. Macías
2023, ApJ, 942, 4
37. DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS (DESTINYNS): SCATTERED LIGHT DETECTION OF A POSSIBLE DISK WIND IN RY TAU
P.-G. Vælgård, C. Ginski, C. Dominik, J. Bae, M. Benisty, T. Birnstiel, S. Facchini, A. Garufi, M. Hogerheijde, R. G. van Holstein, M. Langlois, C. F. Manara, P. Pinilla, Ch. Rab, **Á. Ribas**, L. B. F. M. Waters, J. Williams
2022, A&A, 668, A25
36. AB AUR, A ROSETTA STONE FOR STUDIES OF PLANET FORMATION. II. H₂S DETECTION AND SULFUR BUDGET
P. Rivière-Marichalar, A. Fuente, G. Esplugues, V. Wakelam, R. le Gal, C. Baruteau, **Á. Ribas**, E. Macías, R. Neri, D. Navarro-Almaida
2022, A&A, 665, A61
35. GAIA EDR3 COMPARATIVE STUDY OF PROTOPLANETARY DISK FRACTIONS IN YOUNG STELLAR CLUSTERS
I. Mendigutía, E. Solano, M. Vioque, L. Balaguer-Nuñez, **A. Ribas**, N. Huélamo, C. Rodrigo
2022, A&A, 664, A66
34. DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS (DESTINYNS): A PANCHROMATIC VIEW OF DO TAU'S COMPLEX KILO-ASTRONOMICAL-UNIT ENVIRONMENT
J. Huang, C. Ginski, M. Benisty, B. Ren, A. J. Bohn, É. Choquet, K. I. Öberg, **Á. Ribas**, 15 additional authors
2022, ApJ, 930, 2
33. A HIGHLY SETTLED DISK AROUND OPH163131
M. Villenave, K. R. Stapelfeldt, G. Duchêne, F. Ménard, M. Lambrechts, A. Sierra, C. Flores, W. R. F. Dent, S. Wolff, **Á. Ribas**, M. Benisty, N. Cuello, C. Pinte
2022, ApJ, 930, 11
32. THE PROTOPLANETARY DISC AROUND HD 169142: CIRCUMSTELLAR OR CIRCUMBINARY?
P. P. Poblete, N. Cuello, S. Pérez, S. Marino, J. Calcino, E. Macías, **Á. Ribas**, A. Zurlo, J. Cuadra, M. Montesinos, S. Zúñiga-Fernández, A. Bayo, C. Pinte, F. Ménard, D. J. Price
2022, MNRAS, 510, 205
31. THE SEARCH FOR GAS IN DEBRIS DISCS: ALMA DETECTION OF CO GAS IN HD 36546
I. Rebolledo, **Á. Ribas**, I. de Gregorio-Monsalvo, E. Villaver, B. Montesinos, C. Chen, H. Canovas, T. Henning, A. Moór, M. Perrin, P. Rivière-Marichalar, E. Eiroa
2022, MNRAS, 509, 693
30. PROBING PROTOPLANETARY DISK EVOLUTION IN THE CHAMAELEON II REGION
M. Villenave, F. Menard, W. R. F. Dent, M. Benisty, G. van der Plas, J. P. Williams,

- M. Ansdell, **A. Ribas**, C. Caceres, H. Canovas, L. Cieza, A. Hales, I. Kamp, C. Pinte, D. A. Principe, M. R. Schreiber
2021, A&A, 653, A46
29. UNCOVERING THE ULTIMATE PLANET IMPOSTOR. AN ECLIPSING BROWN DWARF IN A HIERARCHICAL TRIPLE WITH TWO EVOLVED STARS
J. Lillo-Box, **Á. Ribas**, B. Montesinos, N. C. Santos, R. Campante, M. Cunha, D. Barrado, E. Villaver, S. Sousa, H. Bouy, A. Aller, E. Corsaro, T. Li, J. M. Ong, J. M. J., I. Rebollido, I. J. Audenaert, F. Pereira
2021, A&A, 653, A40
28. H₂S OBSERVATIONS IN YOUNG STELLAR DISKS IN TAURUS
P. Rivière-Marichalar, A. Fuente, R. Le Gal, A. M. Arabhavi, S. Cazaux, D. Navarro-Almaida, **Á. Ribas**, I. Mendigutía, D. Barrado, B. Montesinos
2021, A&A, 652, A46
27. AN ALMA SURVEY OF PROTOPLANETARY DISKS IN LYNDS 1641
S. L. Grant, C. C. Espaillat, J. Wendeborn, J. J. Tobin, E. Macías, A. Rilinger, **Á. Ribas**, S. T. Megeath, W. J. Fischer, N. Calvet, K.H. Kim
2021, ApJ, 913, 123.
26. A COPLANAR CIRCUMBINARY PROTOPLANETARY DISK IN THE TWA 3 TRIPLE M DWARF SYSTEM
I. Czekala, **Á. Ribas**, N. Cuello, E. Chiang, E. Macías, G. Duchêne, S. M. Andrews, C. C. Espaillat
2021, ApJ, 912, 6.
25. CHARACTERIZING THE DUST CONTENT OF DISK SUBSTRUCTURES IN TW HYA
E. Macías, O. Guerra-Alvarado, C. Carrasco-Gonzalez, **Á. Ribas**, C. C. Espaillat, J. Huang, S. M. Andrews
2021, A&A, 648, A33
24. DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS (DESTINY): LATE INFALL CAUSING DISK MISALIGNMENT AND DYNAMIC STRUCTURES IN SU AUR
C. Ginski, S. Facchini, J. Huang, M. Benisty, D. Vaendel, L. Stapper, C. Dominik, J. Bae, F. Ménard, G. Muro-Arena, M. R. Hogerheijde, M. McClure, R. G. van Holstein, T. Birnstiel, Y. Boehler, A. Bohn, M. Flock, E. E. Mamajek, C. F. Manara, P. Pinilla, C. Pinte, **Á. Ribas**
2021, ApJL, 908, L25
23. ALMA OBSERVATIONS OF THE EARLY STAGES OF SUBSTELLAR FORMATION IN THE LUPUS 1 AND 3 MOLECULAR CLOUDS
A. Santamaría-Miranda, I. de Gregorio-Monsalvo, A. L. Plunkett, N. Huélamó, C. López, **Á. Ribas**, M. R. Schreiber, K. Mužic, A. Palau, L. B. G. Knee, A. Bayo, F. Comerón, A. Hales
2020, A&A, 646, A10
22. DISK EVOLUTION STUDY THROUGH IMAGING OF NEARBY YOUNG STARS (DESTINY): A CLOSE LOW-MASS COMPANION TO ET CHA
C. Ginski, F. Ménard, Ch. Rab, E. E. Mamajek, R. G. van Holstein, M. Benisty, C. F. Manara, R. Asensio Torres, A. Bohn, T. Birnstiel, P. Delorme, S. Facchini, A. Garufi, R. Gratton, M. Hogerheijde, J. Huang, M. Kenworthy, M. Langlois, P. Pinilla, C. Pinte, **Á. Ribas**, G. Rosotti, T. O. B. Schmidt, M. van den Ancker, Z. Wahhaj, L.

- B. F. M. Waters, J. Williams, A. Zurlo
2020, A&A, 642, A119
21. [BINARY-INDUCED SPIRAL ARMS INSIDE THE DISC CAVITY OF AB AURIGAE](#)
P. P. Poblete, J. Calcino, N. Cuello, E. Macías, **Á. Ribas**, D. J. Price, J. Cuadra, C. Pinte
2020, MNRAS, 496, 2362
 20. [BIPOLAR MOLECULAR OUTFLOW OF THE VERY LOW-MASS STAR PAR-LUP3-4. EVIDENCE FOR SCALED-DOWN LOW-MASS STAR FORMATION](#)
A. Santamaría-Miranda, I. de Gregorio-Monsalvo, N. Huélamo, A. L. Plunkett, **Á. Ribas**, F. Comerón, M. R. Schreiber, C. López, K. Mužić, L. Testi
2020, A&A, 640, A13
 19. [A CENSUS OF RHO-OPH CANDIDATE MEMBERS FROM GAIA DR2](#)
H. Cánovas, C. Cantero, L. Cieza, A. Bombrun, U. Lammers, B. Merín, A. Mora, **Á. Ribas**, D. Ruíz-Rodríguez
2019, A&A, 626, A80
 18. [MULTIPLE RINGS IN THE TRANSITIONAL DISK OF GM AURIGAE REVEALED BY VLA AND ALMA](#)
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