

## CARSTEN DOMINIK

### PERSONAL

**Name:** Carsten Dominik  
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### EDUCATION

Habilitation 2002, Technical University Berlin “*Views on the Cosmic Dust Cycle*”  
PhD in Physics, Technical University Berlin, 1992, “*Dust Formation in Stellar Winds*”  
Masters Degree in Physics, Technical University Berlin, 1980

### PROFESSIONAL EXPERIENCE

Director of the Anton Pannekoek Institute, since 2021  
Full Professor at the University of Amsterdam, since 2014  
Special Professor for Exoplanets, Radboud University Nijmegen, 2006-2014  
Associate Professor at the University of Amsterdam, 2009-2014  
Assistant Professor at the University of Amsterdam, 2003-2009  
Postdoc at the University of Amsterdam, 1999-2003  
Postdoc at Leiden University, 1995-1999  
National Research Council Fellow at NASA Ames, 1993-1995

### LEARNED SOCIETIES

Member, International Astronomical Union (IAU)  
Member, Royal Dutch Astronomy Club (RNAC)  
I was also a member for the German Physical Society and the German Astronomical Society.

### NATIONAL AND INTERNATIONAL COMMISSIONS

Member PRIN PE9 evaluation committee  
Chair, ELT/METIS oversight Board, since 2022  
Member, Scientific committee of UnivEarthS, since 2020-2023  
Chair, Allegro Steering Committee, 2012-2016  
Chair ERC consolidator panel (2017, 2019)  
Member ERC consolidator panel (2013, 2015)  
Member, Island Observatory TAC 2013-2015

Member Evaluation Committee NOW Athena and Diversity & Inclusion Award, 2022  
Coordinator, NOVA (Top Research School in the Netherlands) Network 2, 2011-2017  
Member, NWO VIDI commission (2011, 2012)  
Member, NWO VENI commission, 2003-2006  
Member, NWO Rubicon commission, 2007-2008

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#### LOCAL COMMISSIONS

Program director and track coordinator of Astronomy and Astrophysics master program at the University of Amsterdam  
Management team Anton Pannekoek Institute for Astronomy, since 2014  
Chair, Colloquia organization at API, 2009-2012  
Member, SRON/UvA/VU collaboration committee, 2012-ongoing  
Chair, NOVA PhD supervision committee, 2006-2008 (Member 2003-2006)  
Chair, Open Day organization, 2003-2012

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#### SCIENTIFIC CONSORTIA

Co-Founder and member of AMCOOL, the Amsterdam Center of Origin of Life studies  
Dutch PI on ZIMPOL/SPHERE, Leader disk science team, 2010-ongoing  
Member Science Team SPICA/SAFARI, 2010-2021  
Member Science Team for MATISSE, 2013-ongoing  
Member DIANA disk modeling FP7 consortium, 2011-2016  
Dutch PI for intermediate mass stars, CHESS Key Program on HERSCHEL, 2005-2014  
CO-I DIGIT Key Program on HERSCHEL, 2005-2014  
CO-I WISH Key Program on HERSCHEL, 2005-2014  
CO-I HIFISTARS keyprogram for HERSCHEL, 2005  
Member, Dust growth review for Protostars and Planets VI, 2005  
Member, CHEOPS Consortium, precursor for SPHERE, 2003-2005  
Member, HJHVEGA consortium for ISO, 1995-1999

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#### SCIENTIFIC ORGANIZATION COMMITTEES

Lorentz Center workshop *Planet forming disks*, Leiden, September 2021  
Symposium celebrating the contributions of Xander Tielens, September 2019  
International Workshop *The role of Ice for Planet formation*, Lund, Sweden, May 2013  
International Conference *Planet Formation and Evolution*, Munich, Germany, September 2012  
International Workshop *Formation of Planetesimals*, Ringberg, Germany, 2006  
International Conference *From Disks to Planets: New observations, Models, and Theories*, Pasadena, California 2005  
International Workshop *Modeling the Structure and Physics of Protoplanetary Disks*, Ringberg,

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Germany, 2004

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SELECTED

INVITED REVIEWS

*Optical and Near-IR view of planet-forming disks* at conference Protostars and Planets VII, 2022

*Protoplanetary Disks – Theory*, at conference Dust Growth in Star- and Planet-Forming Environments, Heidelberg June 2013

*Dust evolution and the formation of planets* at conference Protostars and Planets VI, 2013

*Characteristics and Evolution of protoplanetary disks at conference HERSCHEL and the formation of stars and planetary systems*, Göteborg, Sweden, 2010

*Growth of Dust as the initial step toward planet formation* at conference Protostars and Planets V, Hawaii, 2007

Please check the list of publications for more invited reviews.

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REFEREEING

Nature, Science, Astronomy and Astrophysics, Astrophysical Journal, Monthly Notices of the Royal Astronomical Society, Icarus, Philosophical Magazine, several conference proceedings, referee for grant applications for NWO and for the DFG (Deutsche Forschungsgemeinschaft)

FUNDING

Co-Author for the Dutch Sectorplan proposal, 2022, creating additional structural funding for Dutch Astronomy at a level of 6.3 M€ per year.

4 Origins postdocs in startup funding from FNWI/UvA, 800k€, 2020

PI, NWO Top proposal *Herbig Ae/Be stars: Rosetta stone for understanding the formation of planetary systems*, 800 k€, 2015

PI, NWO User Support Programme Space Research 2012-2016: *Dust in comets as a key to the formation and evolution of planetary bodies*, k€ 216 for a 3-year postdoc, 2015.

PI of *Formation, composition and internal structure of rocky exo-planets*, a project in the NWO *Planetary and Exoplanetary Research Network and Programme*, together with W. van Westrenen, Free University. 200 k€, 2013.

CO-I of FP7 DISCANALYSIS program (PI Peter Woitke), 300 k€ for Amsterdam, 2011

Funds for the construction of SPHERE/ZIMPOL, obtained together with PI L. Waters: 650 k€ (450 k€ NWO-M, 100 k€ ASTRON, 150 k€ NOVA), 2000-2006

Marie Curie Reintegration grant for Chris Ormel, 2010, turned down by Chris Ormel in favor of a HUBBLE fellowship at UC Berkeley

PhD position through SRON/NOVA, taken up by Gijs Mulders, 200 k€

35 hours of GT on HERSCHEL Space observatory, 2008

NWO Top Talent Grant for Mihkel Kama, 2008, 200k€

CO-PI Van Gogh Dutch-French collaboration grants, 2005 and 2004

Open competition NWO, PhD position taken up by Dominik Paszun, 2003, ca 200 k€

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POSTDOCS

Current postdocs

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### Previous postdocs

- Ryo Tazaki, 2020-2022
  - Christian Ginski 2018-2021
  - Michiel Min, now leader of Exoplanet group at SRON
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### PHD STUDENTS Current PhD students:

#### Former PhD students:

- Kevin Lange, PhD 2024, Promotors C. Dominik and A.G.G.M. Tielens
- Per-Gunnar Vægård, PhD 2024
- Rico Visser, PhD 2022
- Gabriela Alejandra Muro Arena, PhD 2021, then Process Scientist at PVH Corp.
- Kaustubh Hakim, PhD 2018, then PD a Bern University
- Lucia Klarmann, PhD 2018, then PD at MPIA Heidelberg
- Tomas Stolker, PhD 2017, then PD at ETH Zürich, then Leiden, now Assistant professor at Leiden University
- Sebastiaan Krijt, PhD 2015, then PD at Univ. of Chicago and Hubble fellow, now lecturer at University of Exeter. Promotors A.G.G.M. Tielens and C. Dominik
- Rik van Lieshout, PhD 2015, then PD at Cambridge University
- Koen Maaskant, PhD 2014, then researcher with ASML
- Mikkel Nielsen, PhD 2013 at Nijmegen University, then at MPA in Garching
- Mihkel Kama, PhD 2013, then PD in Leiden and Cambridge, now assistant professor at UCL
- Gijs Mulders, PhD 2013, then PD in Arizona and Chicago, now assistant professor at Universidad Adolfo Ibanez in Santiago de Chile
- Dominik Paszun, PhD 2008, then at Accenture Business Consultants
- Rien Dijkstra, PhD 2005 (co-promoter)
- Roy van Boekel, PhD 2004 (co-promoter), now staff at MPIA Heidelberg
- Greet Decin, PhD 2004 (co-promoter)

I have had a major hand in about a dozen PhD theses prior to that: Arjan Verhoef, 2010, Chris Ormel 2008, Joke Meijer 2008, Michiel Min 2006, Stefanie de Ruyter 2005, Pedro Lacerda 2005, Henrik Nübold 2003, Jan Cami 2002, Gewndolyn Meeuws 2001, Jeroen Bouwman 2001, Yvonne Simis 2001.

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### TEACHING

- Sterrenkunde I, 2017-2023
  - How to design an Alien, Honors course Bachelor, yearly since 2017
  - Master course Star and Planet Formation, 2006-2016 (every other year)
  - Bachelor Course Zonnestelsel, 2005-2011, UvA
  - Bachelor course Planetary Systems, Radboud University Nijmegen, 2007-2014
  - Bachelor Course Planetary Systems, UvA 2013, 2014, 2015
  - Workshop Astronomy (Bachelor 2<sup>nd</sup> year), 2005-2016
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- Big History, 2007-2014, selected lectures in Amsterdam and Eindhoven
  - Energy and Climate, 2010-2012, Lecture about planetary habitability
  - Chemistry of Earth and Universe, UvA, lecture about solar system chemistry, 2005-2013
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#### OUTREACH

Regular public talks for various organizations

Organization Open day 2003-2012

Frequent interviews by journalists about subjects of the day, also on the radio

Press releases related to HERSCHEL results, for example:

- Herschel discovers tip of cosmic iceberg around nearby young star, 2011
  - Herschel spots comet massacre around nearby star, 2011
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#### OTHER

Author of the OpTool package for creating complex dust opacities from the command line. It is hosted on GitHub here: <https://github.com/cdominik/optool>

Creator of Org-mode, an open-source software project for notetaking, project management, authoring and reproducible research, with an estimated  $10^5$  users and an active mailing list with 1500 subscribers: <http://orgmode.org>.

I also wrote the RefTeX package which is the Emacs support for LaTeX cross referencing (<http://www.gnu.org/software/auctex/reftex.html>), and the editor support for the IDL language ([http://www.gnu.org/software/emacs/manual/html\\_mono/idlwave.html](http://www.gnu.org/software/emacs/manual/html_mono/idlwave.html)), both widely used by astronomers and in science in general.

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#### PUBLICATIONS

315 refereed papers, 468 total (July 2024)

NASA-ADS: 21926 citations, h=78

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205 refereed papers, 325 total

ADS: 9736 citations, h=51

Google Scholar: 12975 citations, h=51 (47 since 2009), i10=174 (150 since 2012)

**INTERNATIONAL REFEREED JOURNALS**

1. *Redistribution of CO at the location of the CO ice line in evolving gas and dust disks.* By Stammer, S. M., T. Birnstiel, O. Pani&acutec;, C. P. Dullemond, & C. Dominik, 2017, *Astronomy and Astrophysics* 600, A140
2. *Three Radial Gaps in the Disk of TW Hydrae Imaged with SPHERE.* By van Boekel, R., T. Henning, J. Menu, J. de Boer, M. Langlois, A. Müller, et al., 2017, *The Astrophysical Journal* 837, 132
3. *Near-infrared scattered light properties of the HR 4796 A dust ring. A measured scattering phase function from 13.6 to 166.6deg.* By Milli, J., A. Vigan, D. Mouillet, A.-M. Lagrange, J.-C. Augereau, C. Pinte, et al., 2017, *Astronomy and Astrophysics* 599, A108
4. *Interferometric evidence for quantum heated particles in the inner region of protoplanetary disks around Herbig stars.* By Klarmann, L., M. Benisty, M. Min, C. Dominik, J.-P. Berger, L. B. F. M. Waters, et al., 2017, *Astronomy and Astrophysics* 599, A80
5. *Shadows and spirals in the protoplanetary disk HD 100453.* By Benisty, M., T. Stolker, A. Pohl, J. de Boer, G. Lesur, C. Dominik, et al., 2017, *Astronomy and Astrophysics* 597, A42
6. *Scattered light mapping of protoplanetary disks.* By Stolker, T., C. Dominik, M. Min, A. Garufi, G. D. Mulders, & H. Avenhaus, 2016, *Astronomy and Astrophysics* 596, A70
7. *Dusty tails of evaporating exoplanets. II. Physical modelling of the KIC 12557548b light curve.* By van Lieshout, R., M. Min, C. Dominik, M. Brogi, T. de Graaff, S. Hekker, et al., 2016, *Astronomy and Astrophysics* 596, A32
8. *Multiple rings in the transition disk and companion candidates around RX J1615.3-3255. High contrast imaging with VLT/SPHERE.* By de Boer, J., G. Salter, M. Benisty, A. Vigan, A. Boccaletti, P. Pinilla, et al., 2016, *Astronomy and Astrophysics* 595, A114
9. *Shadows cast on the transition disk of HD 135344B. Multiwavelength VLT/SPHERE polarimetric differential imaging.* By Stolker, T., C. Dominik, H. Avenhaus, M. Min, J. de Boer, C. Ginski, et al., 2016, *Astronomy and Astrophysics* 595, A113
10. *Direct detection of scattered light gaps in the transitional disk around HD 97048 with VLT/SPHERE.* By Ginski, C., T. Stolker, P. Pinilla, C. Dominik, A. Boccaletti, J. de Boer, et al., 2016, *Astronomy and Astrophysics* 595, A112
11. *Resolving the Planet-hosting Inner Regions of the LkCa 15 Disk.* By Thalmann, C., M. Janson, A. Garufi, A. Boccaletti, S. P. Quanz, E. Sissa, et al., 2016, *The Astrophysical Journal* 828, L17
12. *The abundance and thermal history of water ice in the disk surrounding HD 142527 from the DIGIT Herschel Key Program.* By Min, M., J. Bouwman, C. Dominik, L. B. F. M. Waters, K. M. Pontoppidan, S. Hony, et al., 2016, *Astronomy and Astrophysics* 593, A11
13. *Constraining turbulence mixing strength in transitional discs with planets using SPHERE and ALMA.* By de Juan Ovelar, M., P. Pinilla, M. Min, C. Dominik, & T. Birnstiel, 2016, *Monthly Notices of the Royal Astronomical Society* 459, L85
14. *Azimuthal asymmetries in the debris disk around HD 61005. A massive collision of planetesimals?* By Olofsson, J., M. Samland, H. Avenhaus, C. Caceres, T. Henning, A. Mo&ocutec;, et al., 2016, *Astronomy and Astrophysics* 591, A108
15. *Study of the inner dust envelope and stellar photosphere of the AGB star R Doradus using SPHERE/ZIMPOL.* By Khouri, T., M. Maercker, L. B. F. M. Waters, W. H. T. Vlemmings, P. Kervella, A. de Koter, et al., 2016, *Astronomy and Astrophysics* 591, A70
16. *Herschel detects oxygen in the &beta; Pictoris debris disk.* By Brandeker, A., G. Cataldi, G. Olofsson, B. Vandenbussche, B. Acke, M. J. Barlow, et al., 2016, *Astronomy and Astrophysics* 591, A27
17. *The SPHERE view of the planet-forming disk around HD 100546.* By Garufi, A., S. P. Quanz, H. M. Schmid, G. D. Mulders, H. Avenhaus, A. Boccaletti, et al., 2016, *Astronomy and Astrophysics* 588, A8
18. *First light of the VLT planet finder SPHERE. IV. Physical and chemical properties of the planets around HR8799.* By Bonnefoy, M., A. Zurlo, J. L. Baudino, P. Lucas, D. Mesa, A.-L. Maire, et al., 2016, *Astronomy and Astrophysics* 587, A58

19. *First light of the VLT planet finder SPHERE. III. New spectrophotometry and astrometry of the HR 8799 exoplanetary system.* By Zurlo, A., A. Vigan, R. Galicher, A.-L. Maire, D. Mesa, R. Gratton, et al., 2016, *Astronomy and Astrophysics* 587, A57
20. *First light of the VLT planet finder SPHERE. II. The physical properties and the architecture of the young systems. PZ Telescopii and HD 1160 revisited* By Maire, A.-L., M. Bonnefoy, C. Ginski, A. Vigan, S. Messina, D. Mesa, et al., 2016, *Astronomy and Astrophysics* 587, A56
21. *First light of the VLT planet finder SPHERE. I. Detection and characterization of the substellar companion GJ 758 B.* By Vigan, A., M. Bonnefoy, C. Ginski, H. Beust, R. Galicher, M. Janson, et al., 2016, *Astronomy and Astrophysics* 587, A55
22. *Consistent dust and gas models for protoplanetary disks. I. Disk shape, dust settling, opacities, and PAHs.* By Woitke, P., M. Min, C. Pinte, W.-F. Thi, I. Kamp, C. Rab, et al., 2016, *Astronomy and Astrophysics* 586, A103
23. *A panoptic model for planetesimal formation and pebble delivery.* By Krijt, S., C. W. Ormel, C. Dominik, & A. G. G. M. Tielens, 2016, *Astronomy and Astrophysics* 586, A20
24. *A tunnel and a traffic jam: How transition disks maintain a detectable warm dust component despite the presence of a large planet-carved gap.* By Pinilla, P., L. Klarmann, T. Birnstiel, M. Benisty, C. Dominik, & C. P. Dullemond, 2016, *Astronomy and Astrophysics* 585, A35
25. *Multiwavelength optical properties of compact dust aggregates in protoplanetary disks.* By Min, M., C. Rab, P. Woitke, C. Dominik, & F. Menard, 2016, *Astronomy and Astrophysics* 585, A13
26. *Variability and dust filtration in the transition disk J160421.7-213028 observed in optical scattered light.* By Pinilla, P., J. de Boer, M. Benisty, A. Juhasz, M. de Juan Ovelar, C. Dominik, et al., 2015, *Astronomy and Astrophysics* 584, L4
27. *Fast-moving features in the debris disk around AU Microscopii.* By Boccaletti, A., C. Thalmann, A.-M. Lagrange, M. Janson, J.-C. Augereau, G. Schneider, et al., 2015, *Nature* 526, 230
28. *Spiral arms in scattered light images of protoplanetary discs: are they the signposts of planets?* By Juhasz, A., M. Benisty, A. Pohl, C. P. Dullemond, C. Dominik, & S.-J. Paardekooper, 2015, *Monthly Notices of the Royal Astronomical Society* 451, 1147
29. *Optical Imaging Polarimetry of the LkCa 15 Protoplanetary Disk with SPHERE ZIMPOL.* By Thalmann, C., G. D. Mulders, M. Janson, J. Olofsson, M. Benisty, H. Avenhaus, et al., 2015, *The Astrophysical Journal* 808, L41
30. *Asymmetric features in the protoplanetary disk MWC 758.* By Benisty, M., A. Juhasz, A. Boccaletti, H. Avenhaus, J. Milli, C. Thalmann, et al., 2015, *Astronomy and Astrophysics* 578, L6
31. *Location and sizes of forsterite grains in protoplanetary disks. Interpretation from the Herschel DIGIT programme.* By Maaskant, K. M., B. L. de Vries, M. Min, L. B. F. M. Waters, C. Dominik, F. Molster, et al., 2015, *Astronomy and Astrophysics* 574, A140
32. *Depletion of chlorine into HCl ice in a protostellar core. The CHESSE spectral survey of OMC-2 FIR 4.* By Kama, M., E. Caux, A. L&ocaron;pez-Sepulcre, V. Wakelam, C. Dominik, C. Ceccarelli, et al., 2015, *Astronomy and Astrophysics* 574, A107
33. *Erosion and the limits to planetesimal growth.* By Krijt, S., C. W. Ormel, C. Dominik, & A. G. G. M. Tielens, 2015, *Astronomy and Astrophysics* 574, A83
34. *The structure of disks around Herbig Ae/Be stars as traced by CO ro-vibrational emission.* By van der Plas, G., M. E. van den Ancker, L. B. F. M. Waters, & C. Dominik, 2015, *Astronomy and Astrophysics* 574, A75
35. *Dusty tails of evaporating exoplanets. I. Constraints on the dust composition.* By van Lieshout, R., M. Min, & C. Dominik, 2014, *Astronomy and Astrophysics* 572, A76
36. *The debris disc of solar analogue tau Ceti: Herschel observations and dynamical simulations of the proposed multiplanet system.* By Lawler, S. M., J. Di Francesco, G. M. Kennedy, B. Sibthorpe, M. Booth, B. Vandenbussche, et al., 2014, *Monthly Notices of the Royal Astronomical Society* 444, 2665
37. *Near-infrared emission from sublimating dust in collisionally active debris disks.* By van Lieshout, R., C. Dominik, M. Kama, & M. Min, 2014, *Astronomy and Astrophysics* 571, A51
38. *Extreme Conditions in a Close Analog to the Young Solar System: Herschel Observations of epsilon Eridani.* By Greaves, J. S., B. Sibthorpe, B. Acke, E. E. Pantin, B. Vandenbussche, G. Olofsson, et al., 2014, *The Astrophysical Journal* 791, L11
39. *Herschel Finds Evidence for Stellar Wind Particles in a Protostellar Envelope: Is This What Happened to the Young Sun?* By Ceccarelli, C., C. Dominik, A. L&ocaron;pez-Sepulcre, M. Kama, M. Padovani, E. Caux, et al., 2014, *The Astrophysical Journal* 790, L1
40. *The architecture of the LkCa 15 transitional disk revealed by high-contrast imaging.* By Thalmann, C., G. D. Mulders, K. Hodapp, M. Janson, C. A. Grady, M. Min, et al., 2014, *Astronomy and Astrophysics* 566, A51
41. *Structures in the Protoplanetary Disk of HD142527 Seen in Polarized Scattered Light.* By Avenhaus, H., S. P. Quanz, H. M. Schmid, M. R. Meyer, A. Garufi, S. Wolf, et al., 2014, *The Astrophysical Journal* 781, 87



42. *Resolving HD 100546 disc in the mid-infrared: Small inner disc and asymmetry near the gap.* By Panic, O., T. Ratzka, G. D. Mulders, C. Dominik, R. van Boekel, T. Henning, et al., 2014, *Astronomy and Astrophysics* 562, A101
43. *Dust Evolution in Protoplanetary Disks* By Testi, L., T. Birnstiel, L. Ricci, S. Andrews, J. Blum, J. Carpenter, et al., 2014, *Protostars and Planets VI* 339
44. *Imaging diagnostics for transitional discs.* By M. de Juan Ovelar, M. Min, C. Dominik, C. Thalmann, P. Pinilla, M. Benisty, and T. Birnstiel, 2013, *A&A* 560, A111
45. *Small vs. large dust grains in transitional disks: do different cavity sizes indicate a planet?. SAO 206462 (HD 135344B) in polarized light with VLT/NACO.* By A. Garufi, S. P. Quanz, H. Avenhaus, E. Buenzli, C. Dominik, F. Meru, M. R. Meyer, P. Pinilla, H. M. Schmid, and S. Wolf, 2013, *A&A* 560, A105
46. *HIFISTARS Herschel/HIFI observations of VY Canis Majoris. Molecular-line inventory of the envelope around the largest known star.* By J. Alcolea, V. Bujarrabal, P. Planesas, D. Teyssier, J. Cernicharo, E. De Beck, L. Decin, C. Dominik, K. Justtanont, A. de Koter, A. P. Marston, G. Melnick, K. M. Menten, D. A. Neufeld, H. Olofsson, M. Schmidt, F. L. Schöier, R. Szczerba, and L. B. F. M. Waters, 2013, *A&A* 559, A93
47. *DIGIT survey of far-infrared lines from protoplanetary discs. II. CO.* By G. Meeus, C. Salyk, S. Bruderer, D. Fedele, K. Maaskant, N. J. Evans, E. F. van Dishoeck, B. Montesinos, G. Herczeg, J. Bouwman, J. D. Green, C. Dominik, T. Henning, and S. Vicente, 2013, *A&A* 559, A84
48. *Planet or brown dwarf? Inferring the companion mass in HD 100546 from the wall shape using mid-infrared interferometry.* By G. Mulders, S.-J. Paardekooper, O. Pani&ccacute;, C. Dominik, R. van Boekel, and T. Ratzka, 2013, *A&A* 557, A68
49. *High-angular resolution observations towards OMC-2 FIR 4: Dissecting an intermediate-mass protocluster.* By A. Lopez-Sepulcre, V. Taquet, Aacute;, Sanchez-Monge, C. Ceccarelli, C. Dominik, M. Kama, E. Caux, F. Fontani, A. Fuente, P. T. P. Ho, R. Neri, and Y. Shimajiri, 2013, *A&A* 556, A62
50. *The Herschel/HIFI spectral survey of OMC-2 FIR 4 (CHESS). An overview of the 480 to 1902 GHz range.* By M. Kama, A. Lopez-Sepulcre, C. Dominik, C. Ceccarelli, A. Fuente, E. Caux, R. Higgins, A. G. G. M. Tielens, and T. Alonso-Albi, *A&A* 556, A57
51. *An interferometric study of the Fomalhaut inner debris disk. III. Detailed models of the exozodiacal disk and its origin.* By J. Lebreton, R. van Lieshout, J.-C. Augereau, O. Absil, B. Mennesson, M. Kama, C. Dominik, A. Bonsor, J. Vandeportal, H. Beust, D. Defrere, S. Ertel, V. Faramaz, P. Hinz, Q. Kral, A.-M. Lagrange, W. Liu, and P. Thebault, 2013, *A&A* 555, A146
52. *Identifying gaps in flaring Herbig Ae/Be disks using spatially resolved mid-infrared imaging. Are all group I disks transitional?* By K.M. Maaskant, M. Honda, L. B. F. M. Waters, A. G. G. M. Tielens, C. Dominik, M. Min, A. Verhoeff, G. Meeus, and M. E. van den Ancker, 2013, *A&A* 555, A64
53. *Explaining millimeter-sized particles in brown dwarf disks.* By Pinilla, P., T. Birnstiel, M. Benisty, L. Ricci, A. Natta, C. P. Dullemond, C. Dominik, & L. Testi. 2013, *A&A* 554, A95
54. *Asymmetric transition disks: Vorticity or eccentricity?* By Ataiee, S., P. Pinilla, A. Zsom, C. P. Dullemond, C. Dominik, & J. Ghanbari. 2013, *A&A* 553, L3
55. *Herschel CHESS discovery of the fossil cloud that gave birth to the Trapezium and Orion KL (Corrigendum).* By Lopez-Sepulcre, A., M. Kama, C. Ceccarelli, C. Dominik, E. Caux, A. Fuente, & T. Alonso-Albi. 2013, *A&A* 553, 1
56. *The 69 um forsterite band in spectra of protoplanetary disks. Results from the Herschel DIGIT programme.* By Sturm, B., J. Bouwman, T. Henning, N. J. Evans, L. B. F. M. Waters, E. F. van Dishoeck, J. D. Green, J. Olofsson, G. Meeus, K. Maaskant, C. Dominik, J. C. Augereau, G. D. Mulders, B. Acke, B. Merin, & G. J. Herczeg. 2013, *A&A* 553, A5
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#### INVITED REVIEWS

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