

# **B i b l i o g r a p h y**

Alfred Krabbe

1. 91 Refereed or Invited Publications
2. 68 Invited Talks and Colloquia
3. 1 International Patent
4. 192 Contributions to Conferences and other Publications
5. 9 Popular Science Publications
6. 6 Books
7. 60 Popular Science Talks

As of March 2023

## Refereed Publications

2023

P-91 is listed under 2

2022

P-90 Pahler A., Böttger J., Bougueroua S., Emberger M., Janson O., Jokschas T., Keilig T., Klinkner S., Krabbe A., Lengowski M., Maier P., Taheran M. 2022: *Hardware qualification for scientific ballooning missions*, *Advances in Space Research* 71, is. 6, p. 2702-2710

P-89 Beck A., Lebouteiller V., Madden S.C., Iserlohe C., Krabbe A., Ramambason L., Fischer C., Kaźmierczak-Barthel M., Latzko S.T., Pérez-Beaupuits J.P. 2022: *Infrared view of the multiphase ISM in NGC 253. I. Observations and fundamental parameters of the ionised gas*, *A&A* vol. 665, id. A85, 12 pp

P-88 Iserlohe C., Vacca W.D., Fischer C., Fischer N., Krabbe A. 2022, *Probing the Atmospheric Precipitable Water Vapor with SOFIA, Part III. Atlas of Seasonal Median PWV Maps from ERA5, Implications for FIFI-LS and in situ Comparison Between the ERA5 and MERRA-2 Atmospheric Re-analyse*, *PASP* 134, id. 085001, 30pp

P-87 Spinoglio L., Fernández-Ontiveros J.A., Malkan M.A., Kumar S., Pereira-Santaella M., Pérez-Díaz B., Pérez-Montero E., Krabbe A., Vacca W., Colditz S., Fischer C. 2022, *SOFIA Observations of Far-IR Fine-structure Lines in Galaxies to Measure Metallicity*, *ApJ* 906, 55

2021

P-86 Bryant A., Krabbe A. 2021, *The episodic and multiscale Galactic Centre*, *NAREV* 93, id. 101630

P-85 Colditz S., Looney L.W., Bigiel F., Fischer C., Fischer J., Hailey-Dunsheath S., Herrera-Camus R., Krabbe A., LeDuc H., Wong T., Zmuidzinas J. 2021, *Upgrading the field-imaging far-infrared line spectrometer for the Stratospheric Observatory for Infrared Astronomy with kinetic inductance detectors: enabling large sample (extragalactic) surveys*, *JATIS* vol. 7, <https://doi.org/10.1117/1.JATIS.7.2.025002>

P-84 Sperling T., Eislöffel J., Fischer C., Nisini B., Giannini T., Krabbe A. 2021, *On the evolution of the atomic component in protostellar outflows*, *A&A* 650, id. A173, 23 pp

P-83 Iserlohe C., Fischer C., Vacca W.D., Fischer N., Colditz S., Krabbe A. 2021, *Probing the Atmospheric Precipitable Water Vapor with SOFIA. II. Atmospheric Models from ECMWF*, *PASP* vol. 133, id.055002, 15pp.

P-82 Fischer C., Iserlohe C., Vacca W., Fadda D., Colditz S., Fischer N., Krabbe A. 2021, *Probing the Atmospheric Precipitable Water Vapor with SOFIA, Part I, Measurements of the Water Vapor Overburden with FIFI-LS*, *PASP* vol. 133 id.055001, 10pp.

2020

P-81 Bigiel F., de Looze I., Krabbe A., Cormier D., Barnes A.T., Fischer C., Bolatto A.D., Bryant A., Colditz S., Geis N., Herrera-Camus R., Iserlohe C., Klein R., Leroy A.K., Linz H., Looney L.W., Madden S.C., Poglitsch A., Stutzki J., Vacca W.D. 2020, *SOFIA/FIFI-LS Full-disk [C ii] Mapping and CO-dark Molecular Gas Across the Nearby Spiral Galaxy NGC6946*, *A&A*, 903, 30

P-80 Sperling T., Eislöffel J., Fischer C., Nisini B., Giannini T., Krabbe A. 2020, *Probing the hidden atomic gas in Class I jets with SOFIA*, *A&A*, 642, A216

P-79 Chevance M., Madden S.C., Fischer C., Vacca W.D., Lebouteiller V., Fadda D., Galliano F., Indebetouw R., Kruijssen J.M.D., Lee M.-Y., Poglitsch A., Polles F.L., Cormier D., Hony S., Iserlohe C., Krabbe A., Meixner M., Sabbi E., Zinnecker H. 2020, *The CO-dark molecular gas mass in 30 Doradus*, *MNRAS* vol. 494, pp.5279 – 5292

2019

P-78 Iserlohe C., Bryant A., Krabbe A., Beckmann S., Colditz S., Fischer C., Fumi F., Geis N., Henning T. K., Hönle R., Klein R., Looney L.W., Poglitsch A., Raab W., Rebell F., Vacca W.D. 2019, *FIFI-LS*

*Observations of the Circumnuclear Ring— Probing the High-density Phase of the PDR*, ApJ, 885, 169, DOI: 10.3847/1538-4357/ab391f

2018

P-77 is listed under 2

P-76 Colditz S., Beckmann S., Bryant A., Fischer C., Fumi F., Geis N., Hamidouche M., Henning T., Höhle R., Iserlohe R., Klein R., Krabbe A., Looney L., Poglitsch A., Raab W., Rebell F., Rosenthal D., Savage M., Schweitzer M., Trinh C., Vacca W. 2018, *Spectral and Spatial Characterization and Calibration of FIFI-LS - the Field Imaging Spectrometer on SOFIA*, JAI 7, id. 1840004-(12)556

P-75 Fischer C., Beckmann S., Bryant A., Colditz S., Fumi F., Geis N., Hamidouche M., Henning T., Höhle R., Iserlohe R., Klein R., Krabbe A., Looney L., Poglitsch A., Raab W., Rebell F., Rosenthal D., Savage M., Schweitzer M., Trinh C., Vacca W. 2018, *FIFI-LS: The Field-Imaging Far-Infrared Line Spectrometer on SOFIA*, JAI 7, id. 1840003-556

P-74 Lammen Y., Reinacher A., Greiner B., Wagner J., Krabbe A. 2018, *Increasing the SOFIA Secondary Mirror Mechanism's fast steering capability by identification of a structural resonance and its subsequent elimination through mass re-distribution*, JAI 7, id. 1840001

2017

P-73 Schindler K., Wolf J., Bardecker J., Olsen A., Müller T., Kiss C., Ortiz J. L., Braga-Ribas F., Camargo J. I. B., Herald D., Krabbe A. 2017, *Results from a triple chord stellar occultation and far-infrared photometry of the trans-Neptunian object (229762) 2007 UK<sub>126</sub>*, A&A 600, id. A12, 16pp

P-72 A. Caratti o Garatti, B. Stecklum, R. Garcia Lopez, J. Eisloffel, T. P. Ray, A. Sanna, R. Cesaroni, C. M. Walmsley, R. D. Oudmaijer, W. J. de Wit, L. Moscadelli, J. Greiner, A. Krabbe, C. Fischer, R. Klein & J. M. Ibañez 2017, *Disk-mediated accretion burst in a high-mass young stellar object*, Nature Physics 13, 276 - 279

2014

P-71 Temi P., Marcum P.M., Young E., Adams J.D., Adams S., .... Krabbe A., et al. 2014, *The SOFIA Observatory at the Start of Routine Science Operations: Mission Capabilities and Performance*, ApJS 212, 24

2013

P-70 Krabbe A., Mehlert D., Röser H.-P. & Scorza C. 2013, *SOFIA, an Airborne Observatory for Infrared Astronomy*, European Journal of Physics, vol. 34, id: S161

P-69 Iserlohe C., Krabbe A., Larkin J.E., Barczyns M., McElwain M.W., Quirrenbach A., Weiss J., Wright S.A. 2013, *Near-infrared imaging spectroscopy of the inner few arcseconds of NGC 4151 with OSIRIS at Keck*, A&A 556, 136-162

2012

P-68 is listed under 2

P-67 Iserlohe C, Krabbe A., Larkin J. 2012, *The inner 200 parsecs of NGC4151 observed with OSIRIS*, in Journal of Physics: Conference Series: Astronomy at High Angular Resolution 2011: The central kiloparsec in galactic nuclei eds. C. Iserlohe, V. Karas, M. Krips, A. Eckart, S. Britzen and S. Fischer, vol. **372**, Issue I, id. 012014, 6 pp.

P-66 Young E.T., Becklin E.E., Marcum P.M., ... Burgdorf M., ... Krabbe A., ... Röser H.-P., ... Wolf J. , & Zinnecker H. 2012, *Early Science with SOFIA, the Stratospheric Observatory For Infrared Astronomy*, ApJ, **749**, L17 (5pp)

P-65 is listed under 2

P-64 Srama R., Krüger H., Yamaguchi T., ..., Krabbe A., et al. 2012, *SARIM PLUS—sample return of comet 67P/CG and of interstellar matter*, ExA, vo. 33, issue 2-3, pp 723 – 751, <https://doi.org/10.1007/s10686-011-9285-7>

2011

- P-63 Gehrz R.D., Becklin E.E., De Buizer J., Herter T., Keller L.D., Krabbe A., Marcum P.M., Roellig T.L., Sandell G.H.L., Temi P., Vacca W.D., Young E.T., Zinnecker H. 2011, *Status of the Stratospheric Observatory for Infrared Astronomy (SOFIA)*, AdSpR, 48, 1004 - 1016
- 2010
- P-62 is listed under 2
- P-61 Angerhausen D., Krabbe A., & Iserlohe C. 2010, Observing Exoplanets with SOFIA, PASP, **122**, 1020
- 2009
- P-60 Hodapp K.W., Iserlohe C., Stecklum B., Krabbe A. 2009, *s Orionis IRS1 A and B: A Binary Containig a Proplyd*, ApJ., 701, L100-L104
- 2008
- P-59 is listed under 2.
- 2007
- P-58 Mueller Sanchez F., Gal C., Eisenhauer F., Krabbe A., & Herbst T. 2007, *SERPIL/LIINUS a designs study for a Near Infrared Interferometric Integral field Spectrometer for the LBT*, AN, 328, 628
- P-57 Wright S.A., Larkin J.E., Barczys M., Erb D.K., Iserlohe C., Krabbe A., Law D.R., McElwain M.W., Quirrenbach A., Steidel C.C., & Weiss J. 2007, *OSIRIS Integral Field Spectroscopy Laser Guide Star Adaptive Optics Observation of a Star Forming Galaxy at z~1.5*, ApJ, 658, 78 - 84
- P-56 Mc Elwain M.W., Metchev S.A., Larkin J., Barczys M., Iserlohe, C., Krabbe A., Quirrenbach A., Weiss J., & Wright S. 2007, *First High-Contrast Science with an Integral field Spectrograph: the Sub-Stellar Companion to GQ Lup*, ApJ, 656, 505 - 514
- 2006
- P-55 Larkin J., Barczys M., Krabbe A., Adkins S., Aliado T., Amico P., Brims G., Campbell R., Canfield J., Gasaway T., Honey A., Iserlohe C., Johnson C., Kress E., Lafreniere D., Magnone K., Magnone N., McElwain M., Moon J., Quirrenbach A., Skulason G., Song I., Spencer M., Weiss J., Wright S. 2006, *OSIRIS: A diffraction limited integral field spectrograph for Keck*, NewAR, 50, 362 - 364
- P-54 Quirrenbach A., Larkin J., Barczys M., Gasaway T., Iserlohe C., Krabbe A., McElwain M., Song I., Weiss J., Wright S 2006, *OSIRIS: AO-assisted integral-field spectroscopy at the Keck Observatory*, NewAR, 49, 639 - 646
- P-53 Krabbe A., Iserlohe C., Larkin J., Barczys M., McElwain M., Quirrenbach A., Song I., Weiss J. & Wright S. 2005, *Diffraction limited imaging spectroscopy of the SgrA\* Region with the new OSIRIS Instrument at Keck*, ApJL, 642, L145 – L148
- 2005
- P-52 Angerhausen D., Krabbe A., & Iserlohe C. 2005, *NIR Imaging Spectroscopy of Extrasolar Planets*, AN, 326, 625
- 2004
- P-51 Krabbe A. 2004, *Zentren aktiver Galaxien*, Habilitationsschrift, Technische Universität Berlin.
- 2003
- P-50 Maiolino R., Comastri A., Gilli R., Nagar N. M., Bianchi S., Böker T., Colbert E., Krabbe A., Marconi A. Matt G., Salvati M. 2003, *Elusive active galactic nuclei*, MNRAS, 344, L59
- 2002
- P-49 is listed under 2.
- 2001
- P-48 Krabbe A., Böker T., & Maiolino, R. 2001, *N-band imaging of Seyfert nuclei and the mid-infrared-X-ray Correlation*, ApJ, **557**, 626-636

- P-47 Hübers H.-W., Schubert J., Krabbe A., Birk M., Wagner G., Semenov A., Gol'tsman G., Voronov B., & Gershenson E. 2001, *Parylene anti-reflection coating of a quasi-optical hot-electron-bolometric mixer at terahertz frequencies*, *Infrared Phys. & Techn.*, **42**, 41 - 47
- 2000
- P-46 Brandner W., Sheppard S., Zinnecker H., Close L., Iwamuro F., Krabbe A., Maihara T., Motohara K., Padgett D., & Tokunaga A. 2000, *VLT-detection of two edge-on Circumstellar Disks in the  $\rho$ Oph dark cloud*, *A&A*, **364**, L13-L18
- P-45 Krabbe A., Sams B.J. III, Genzel R., Thatte N., & F. Prada 2000, *Near Infrared Imaging Spectroscopy of NGC 1275*, *A&A*, **354**, 439-452
- 1999
- P-44 Zinnecker H., Krabbe A., McCaughrean M., Stanke Th., Brandner W., Padgett D.L., Stapelfeldt K.R., & Yorke H.W. 1999, *First VLT/ISAAC images of the circumstellar environment of partially embedded young low-mass stars (solar-system analogs)*, *A&A*, **352**, L73 – L78
- P-42 & P-43 are listed under 2.
- 1998
- P-41 Böker T., Krabbe A., & Storey J.W.V. 1998, *Mid-Infrared [NeII] Line emission from the nucleus of NGC 253*, *Ap.J.*, **498**, L115 – L118
- P-40 Maiolino R., Krabbe A., Thatte N., & Genzel R. 1998, *Seyfert Activity and Nuclear Star Formation in the Circinus Galaxy*, *Ap.J.*, **493**, 650 – 665
- 1997
- P-39 Böker T., Storey J.W.V., Krabbe A., & Lehmann T. 1997, *MANIAC: A new Mid- and Near-Infrared Array Camera*, *P.A.S.P.*, **109**, 827 - 836
- P-38 Schinnerer E., Eckart A., Quirrenbach A., Böker T., Tacconi-Garman L.E., Krabbe A. & Sternberg A. 1997, *The Circum-Nuclear Starburst in NGC 7552: First Result from NIR Spectral Synthesis*, *Ap.J.*, **488**, 174 - 194
- P-37 Colina L., Garcia Vargas M.L.G., Delgado R.M.G., Mas-Hesse J.M., Perez E., Alberdi A., & Krabbe A. 1997, *On the Origin of the Ultraviolet Continuum in Seyfert 2 Galaxies*, *Ap.J.*, **488**, L71 – L74
- P-36 Colina L., Garcia Vargas M.L.G., Mas-Hesse J.M., Alberdi A. & Krabbe A. 1997, *Nuclear Spiral and Ring Star-forming Structures and the Starburst--Active Galactic Nucleus Connection in Barred Spirals NGC 3351 and NGC 4303*, *Ap.J.L.*, **484**, L41 - L45
- P-35 Krabbe A., Colina L., Thatte N., & Kroker H. 1997, *3D imaging spectroscopy of Mrk 231*, *Ap.J.*, **476**, 98 - 104
- P-34 Najarro F., Krabbe A., Genzel R., Lutz D., Kudritzki R.P., & Hillier D.J. 1997, *Quantitative spectroscopy of the Hel cluster in the Galactic center*, *A. & A.*, **325**, 700 – 708
- P-33 Thatte N., Genzel R., Kroker H., Krabbe A., Tacconi-Garman L.E., Maiolino R., & Tecza M. 1997, *The Nuclear Stellar Cluster in NGC 1068*, *As. & Sp.Sc.*, **248**, 225 - 234
- P-31 & P-32 are listed under 2.
- 1996
- P-30 Tacconi-Garman L. E., Cameron M., Krabbe A., Kroker H., Thatte N., & Weitzel L., 1996, *3D: a new tool for probing the stars and ISM in AGN*, *Vistas Astron.*, **40**, 227 – 229.
- P-29 Tacconi L. J., Blietz M., Cameron M., Downes D., Genzel R., Krabbe A., Sternberg A., Tacconi-Garman L. E. & Weitzel, 1996, *Kinematics and distribution of dense gas in Seyfert nuclei*, *Vistas Astron.*, **40**, 23 – 26.
- P-28 Kroker H., Genzel R., Krabbe A., Tacconi-Garman L.E., Tecza M., Thatte N., & Beckwith S. 1996, *Near Infrared Spectroscopy of IRAS FSC10214+4724: Evidence for a starburst region around an AGN at  $z=2.3$* , *Ap.J. L.*, **463**, L55 - 58

- P-27 Weitzel L., Krabbe A., Kroker H., Thatte N., Tacconi-Garman L.E., Cameron M. & Genzel R. 1996, *3D: The Next Generation Near-Infrared Imaging Spectrometer*, Astron. & Astroph. Suppl., **119**, 531 - 546
- P-26 van der Werf P.P., Stutzki J., Sternberg A. & Krabbe A., 1996, *Structure and Chemistry of the Orion bar photon-dominated region*, A&A, **313**, 633
- P-25 Eckart A., Cameron M., Boller Th., Krabbe A., Blietz M., Nakai N., Wagner S.J., & Sternberg A. 1996, *The Starburst in the Wolf - Rayet Nucleus of the Liner NGC 6764*, Ap.J., **472**, 588
- P-24 Genzel R., Thatte N., Krabbe A., Eckart A., Kroker H., & Tacconi-Garman L.E. 1996, *The Dark Mass Concentration in the Central Parsec of the Milky Way*, Ap.J., **472**, 153 - 172
- P-23 Herbst T. M., Beckwith S. V. W., Glindemann A. Tacconi-Garman L. E., Kroker H., & Krabbe A., 1996, *A Near-Infrared Spectral Imaging Study of T Tau*, A.J., **111**, 2403
- P-22 is listed under 2.  
1995
- P-21 Poglitsch A., Krabbe A., Madden S.C., Nikola T., Geis N., Johansson L.E.B., Stacey G.J. & Sternberg A., 1995, *A Multi-Wavelength Study of 30 Doradus: The Interstellar Medium in a Low-Metallicity Galaxy*, Ap.J., **454**, 293 - 306
- P-20 Krabbe A., Genzel R., Eckart A., Najarro F., Lutz D., Cameron M., Kroker H., Tacconi-Garman L.E., Thatte N., Weitzel L., Drapatz S., Geballe T., Sternberg A. & Kudritzki R.-P., 1995, *The Nuclear Cluster of the Milky Way: Star Formation and Velocity Dispersion in the Central 0.5 Parsec*, Ap.J.Lett., **447**, L95
- P-19 Genzel R., Weitzel L., Tacconi-Garman L.E., Blietz M., Cameron M., Krabbe A., Lutz D. & Sternberg A., 1995, *Infrared Imaging and Spectroscopy of NGC 7469*, Ap.J., **444**, 129 - 145
- P-18 is listed under 2.  
1994
- P-17 Genzel R., Cameron M. & Krabbe A., 1993, *Infrared Spectroscopy and Imaging of Starburst Galaxies and AGNs*, Astrophys. & Space Sci., **205**, 17 - 23
- P-16 Krabbe A., Sternberg A. & Genzel R., 1994, *Near Infrared Spectral Imaging of NGC 1808: Probing the Starburst*, Ap.J., **425**, 72 - 90
- P-15 Lutz D., Genzel R., Krabbe A., Blietz M., Drapatz S., van der Werf P.P., Najarro F. & Hillier D.J., 1994, *Excitation of the inner pc of the galactic center: Results from near-infrared spectroscopy*, Infrared Phys. Technol., **35**, 303 - 309
- P-14 Najarro F., Hillier D., Kudritzki R.P., Krabbe A., Genzel R., Lutz D., Drapatz S. & Geballe T., 1994, *The Nature of the Brightest Galactic Center Hel Emission Line Star*, A.&A., **285**, 573 - 584
- P-13 Blietz M., Cameron M., Drapatz S., Genzel R., Krabbe A., van der Werf P., Sternberg A. & Ward M.J. 1994, *Near Infrared Spectroscopic Imaging of the Circum-Nuclear Environment of NGC 1068*, Ap.J., **421**, 92 - 100
- 1993
- P-12 Krabbe A., Rotaciuc V., Storey J.W.V., Cameron M., Blietz M., Drapatz S., Hofmann R., Sämman G. & Genzel R. , 1993, *FAST: A Near-Infrared Imaging Fabry-Perot Spectrometer*, P.A.S.P., **105**, 1472 - 1481
- P-11 Lutz D., Krabbe A. & Genzel R., 1993, *Excitation of the [FeIII] Bubble Surrounding the Galactic Center "Mini-Cavity"*, Ap.J., **418**, 244 - 254
- P-10 Krabbe A., 1993, *Near Infrared Imaging Spectroscopy of Galactic Nuclei*, Rev. Mod. Astron., **6**, 103 - 116
- P-09 Clements D.L., van der Werf P.P., Krabbe A., Blietz M., Genzel R. & Ward M.J., 1993, *Extended H $\alpha$  emission from IRAS F10214+4724: Starburst or AGN?*, M.N.R.A.S., **262**, L23 - L26
- P-08 Forbes D.A., Ward M.J., Rotaciuc V., Blietz M., Genzel R., Drapatz S., van der Werf P. & Krabbe A., 1993, *High Resolution Imaging of [FeII] 1.64 $\mu$ m, Brackett- $\gamma$  and H $_2$  1-0 S(1) Emission in the Starburst Galaxy NGC 253*, Ap.J. Lett., **406**, L11 - L14

- P-07 van der Werf P.P., Genzel R., Krabbe A., Blietz M., Drapatz S., Ward M.J. & Forbes D.A., 1993, *Near-Infrared Line Imaging of NGC 6240: Global Shock and Nuclear Starburst*, *Ap.J.*, **405**, 522 - 537
- 1992
- P-06 Eckart A., Genzel R., Krabbe A., Hofmann R., van der Werf P. & Drapatz S., 1992, *Spatially resolved near-infrared emission and a bubble of hot gas in the central active region of the Galaxy*, *Nature*, **355**, 526 – 529
- 1991
- P-05 Krabbe A., Genzel R., Drapatz S. & Rotaciuc V., 1991, *A Cluster of HeI Emission Line Stars in the Galactic Center*, *Ap.J. Lett.*, **382**, L19 - L22
- P-04 Rotaciuc V., Krabbe A., Cameron M., Drapatz S., Genzel R., Sternberg A. & Storey J.W.V., 1991, *High-Resolution Imaging of Brackett- $\gamma$  and H<sub>2</sub> 1-0 S(1) Emission in the Seyfert Galaxy NGC 1068*, *Ap.J.Lett.*, **370**, L23 - L26
- ≤ 1987
- P-03 Krabbe A., 1987, *Ein Infrarot - Gitterspektrograph für die Calar Alto Teleskope*, Ph.D. Thesis, MPI-Astronomie, Heidelberg
- P-02 Krabbe A., Lemke D. & Proetel K., 1986, *A Chopping secondary mirror for a cooled infrared telescope*, *Applied Optics*, **25**, 523-527
- P-01 Krabbe A., 1982, *Ein Sekundärspiegelchopper für das Flüssighelium gekühlte Weltraumteleskop GIRL*, Diplom Thesis, MPI-Astronomie, Heidelberg

### Invited Talks and Colloquia

- T-69 Tagung der Evangelischen Forschungsakademie, Berlin 07.01.2023  
P-91 A. Krabbe 2023, *Der Ort der Erde im Weltraum*, in print
- T-68 Tagung der Deutschen Astronomischen Gesellschaft, Bremen, 14.09.2022  
A. Krabbe 2022, *SOFIA's legacy and future stratospheric FIR platforms*
- T-67 SOCHIAS (Sociedad Chilena de Astronomia), Santiago, 30.03.2022  
A. Krabbe: *SOFIA flying high: A stratospheric observatory visiting Santiago de Chile*
- T-66 Leibniz Institut für photonische Technologien, Jena 21.10.2020  
A. Krabbe+: *MIR / FIR Detektortechnologien in der Astronomie*
- T-65 Evangelische Forschungs Akademie, Kloster Drübeck, 19. 05. 2018, published in:  
P-77 A. Krabbe 2018, *Mit SOFIA zum Zentrum der Milchstraße, Beobachtungen mit FIFI-LS*, in: *Struktur und Ordnung, Evangelische Forschungsakademie Beiträge der Pfingsttagung 2018*, ed. Ch. Ammer & A. Lindemann, EVA, Hannover, ISBN: 978-3-9816328-5-9
- T-64 IEEE International Symposium on Space Terahertz Technology (ISSTT) Conference, Köln, 13.03.2017  
A. Krabbe: *SOFIA – The First Three Years of Operation*
- T-63 Internatioal Space University, Stuttgart, 08.02.2017  
A. Krabbe: *SOFIA – Stratospheric Observatory for Infrared Astronomy*
- T-62 SPIE Conference 9906 on: Ground-based and Airborne Telescopes VI, Edinburgh 30.06.2016  
A. Krabbe: *SOFIA – The First Two Years of Full Operation*
- T-61 NASA Goddard Space Flight Center, Colloquium, Columbia, MD 12.11.2015  
A.Krabbe: *Far Infrared Science beyond Herschel – FIFI-LS on SOFIA*
- T-60 Max-Planck-Institut für Astronomie Colloquium, Heidelberg, 29.06.2015  
A. Krabbe: *Far Infrared Imaging Spectroscopy with FIFI-LS; A new Instrument for SOFIA*

- T-59 Hochschule für Angewandte Wissenschaften, Department Fahrzeugtechnik und Flugzeugbau, Kolloquium, Hamburg, 05.11.2014  
A. Krabbe: *Wissenschaft mit SOFIA*
- T-58 Karlsruhe Institute of Technology (KIT), Karlsruhe, Kolloquium 30.10.2014  
A. Krabbe: *SOFIA – Das Stratosphären Observatorium für Infrarot Astronomie*
- T-57 École de Technologie Supérieure, Montréal, Canada, Colloquium im Rahmen der International Space University, 24.06.2014  
A. Krabbe: *SOFIA – The Project*
- T-56 SOFIA Winterschool, Bad Honnef, 13.02.2014  
A. Krabbe: *FIFI-LS+, Upgrading or Improving FIFI-LS*
- T-55 SOFIA Winterschool, Bad Honnef, 12.02.2014  
A. Krabbe: *NIR Spectroscopy of transiting Exoplanets with SOFIA*
- T-54 SOFIA Winterschool, Bad Honnef, 10.02.2014  
A. Krabbe: *The Far Infrared Field Imaging Line Spectrometer FIFI-LS for SOFIA*
- T-53 Institut für Strahlwerkzeuge, Universität Stuttgart, Kolloquium, 13.11.2013  
A. Krabbe: *SOFIA - Das Stratosphären Observatorium für Infrarot Astronomie*
- T-52 SOFIA Community Tele-Talk, 16.10.2013  
A. Krabbe: *The Far Infrared Field Imaging Line Spectrometer FIFI-LS for SOFIA*
- T-51 Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen (HfWU), 20.06.2013  
A. Krabbe: *Exoplaneten – Die Suche nach der 2. Erde,*
- T-50 Deutsche Gesellschaft für Luft- und Raumfahrt, Stuttgart 09.04.2013  
A. Krabbe 2013, *SOFIA – Erste wissenschaftliche Ergebnisse*
- T-49 Fachhochschule Münster, Burgsteinfurt, Kolloquium, 23.01.2013  
A. Krabbe: *SOFIA - eine Stratosphären-Sternwarte für die Infrarot-Astronomie*
- T-48 SPIE Conference 8444 on: Airborne Telescopes I, Amsterdam 03.07.2012  
published in  
P68 Young E., Herter T.L., Güsten R., Dunham E.W., Becklin E.E., Marcum P. M., Krabbe A., Andersson B.-G., Reach W.T., Zinnecker H. 2012, *Early results from SOFIA*, in proc. of SPIE: Ground-based and Airborne Telescopes IV, SPIE Conference Series, eds. Larry M. Stepp, Roberto Gilmozzi, & Helen J. Hall, vol. **8444**, article id. 844410, 13 pp.
- T-47 Evangelische Forschungs Akademie, Kloster Drübeck, 26. 05. 2012  
A. Krabbe 2012, published in:  
P-65 *SOFIA – Ein fliegendes Infrarotobservatorium*, in: Weite Horizonte, Evangelische Forschungsakademie Beiträge der Pfingsttagung 2012, ed. Ch. Ammer, Hannover 2012, ISBN 978-3-9813549-7-3, S. 63 - 88
- T-46 Conference on Infrared: Science, Technology, and Applications, Bad Honnef, 22.05.2012  
A. Krabbe 2012, *The SOFIA Project*
- T-45 Frühjahrstagung der Deutschen Physikalischen Gesellschaft, Stuttgart, 15.03.2012  
A. Krabbe 2012, *SOFIA The Stratospheric Observatory for Infrared Astronomy*
- T-44 Astrophysikalisches Kolloquium, Universität Tübingen, 16.11.2011  
A. Krabbe 2011, *SOFIA Eine Flugzeugsternwarte für die Infrarotastronomie*
- T-43 Conference on Astronomy at High Angular Resolution, Bad Honnef, 29.08.2011  
A. Krabbe 2011, *SOFIA First Science Observations*
- T-42 Deutsche Gesellschaft für Luft und Raumfahrt, Stuttgart, 30.05.2011  
A. Krabbe 2011, *Das Flugzeugobservatorium SOFIA*
- T-41 Evangelische Forschungs Akademie, Kloster Drübeck, 24. 05. 2010  
A. Krabbe 2010, published in



- P-62 *Exoplaneten - Die Suche nach der zweiten Erde*, in: Orientierung durch Wissen, Vorträge der 125. Tagung der Evangelischen Forschungsakademie, ed. Chr. Ammer, Hannover 2010
- T-40 Wilhelm & Else Heraeus Seminar: THz Radiation: Generation, Detection, and Application, Bad Honnef, 21. 04. 2010  
A. Krabbe 2010, *Application of THz Radiation IV: Astronomy*
- T-39 NASA Goddard Space Flight Center, Greenbelt, MD, USA, 22. 03. 2010, Kolloquium  
A. Krabbe 2010, *Traces of Hidden Monsters in Nuclei of Active Galaxies*
- T-38 Universität Bremen, 26.11. 2009, Bremen, Physikalisches Kolloquium  
A. Krabbe 2009, *SOFIA - Das Stratosphären-Observatorium auf dem Weg zu den Sternen*
- T-37 Universität zu Köln, 26. 8. 2009, Köln, Ringvorlesung  
A. Krabbe 2009, *Das unsichtbare Universum: SOFIA auf dem Weg zu den Sternen*
- T-36 Universität Stuttgart, 18. 6. 2009, Stuttgart, Antrittsvorlesung  
A. Krabbe 2009, *Verborgene Monster: Spuren Schwarzer Löcher in den Zentren aktiver Galaxien*
- T-35 NASA Dryden Flight Research Center, 25. 2. 2009, DAOF Palmdale, CA  
A. Krabbe 2009, *Exoplanets - The Search for the 2<sup>nd</sup> Earth*
- T-34 NASA Dryden Flight Research Center, 11. 12. 2008, DAOF Palmdale, CA  
A. Krabbe 2008, *SOFIA: The Science Program*
- T-33 Institut für Raumfahrtsysteme, 20. 11. 2008, Stuttgart  
A. Krabbe 2008, *Exoplaneten – Die Suche nach der 2. Erde*
- T-32 Forum Luft- und Raumfahrt Baden-Württemberg, 16. 9. 2008, Stuttgart  
A. Krabbe 2008, published in:  
P-59 A. Krabbe 2009, *SOFIA*, in: Vortragsreihe Forum Luft- und Raumfahrt, 2008: *Innovation ohne junge Talente – geht das?*, ed. R.-J. Ahlers, Steinbeis Edition, Tagungsband 3, Stuttgart 2009, ISBN 978-938062-61-6
- T-31 Summerschool of the EU Network: Molecular Universe, 1. 9. 2008, Boppard/Rhein  
A. Krabbe 2008, *SOFIA: The Science Program*
- T-30 NASA Review on SOFIA, 26. 2. 2007, Mountain View  
A. Krabbe 2007, *German Instruments and SSMOC Requirements*
- T-29 Workshop of the University Bochum, 4.12. 2006 Bad Honnef  
A. Krabbe 2006, *SOFIA Stratospheric Observatory for Infrared Astronomy*
- T 28 Colloquium, 18. Nov. 2005 Universität Stuttgart:  
A. Krabbe 2005, *Abbildende Spektroskopie an der Beugungsgrenze: Infrarot Astrophysik mit höchster Winkelauflösung*
- T-27 Colloquium, 8. April 2005 Max-Planck-Institut für Radioastronomie, Bonn:  
A. Krabbe 2005: *Imaging Milliarcsec Spectroscopy: New opportunities with VLT, Keck, and ELTs*
- T-26 Colloquium, 11. Januar 2005, AIP Potsdam:  
A. Krabbe 2005, *Abbildende Spektroskopie im Millibogensekundenbereich, Neue Möglichkeiten mit Großteleskopen*
- T-25 Colloquium, 10. Januar 2005, Technische Universität Berlin, Zentrum für Astronomie und Astrophysik:  
A. Krabbe 2005, *Abbildende Spektroskopie im Millibogensekundenbereich, Neue Möglichkeiten mit Großteleskopen*
- T-24 Castle Ringberg workshop on: Centers of Galaxies, 14. Nov. 2002, Rottach-Egern, Germany:  
A. Krabbe 2002, *The Search for Hidden AGNs*
- T-23 SPIE Conference on: Infrared Spaceborne Remote Sensing X, 10. July 2002, Seattle, USA, published in:  
P-49 A. Krabbe 2002, *SOFIA Instruments*, in: Proc. of SPIE conference on: Infrared Spaceborne Remote Sensing X, eds. M. Strojnik & B. Andresen, vol. **4818**, Seattle, p. 1 - 13

- T-22 Tagung der Evangelischen Forschungsakademie, 17. Mai 2002, Eisenach, Haus Hainstein:  
A. Krabbe 2002, *Die Suche nach dem Schwarzen Loch im Zentrum der Milchstraße*
- T-21 Colloquium, 7. Dezember 2001, Köln, 1. Physikalisches Institut der Institut:  
A. Krabbe 2001, *Hunting in the Dust: The Search for Active Galactic Nuclei*
- T-20 Seminar, 2. November 2001, Berkeley, Lawrence Berkeley Laboratory, Institute for Nuclear and Particle Astrophysics:  
A. Krabbe 2001, *Hunting in the Dust: The Search for Active Galactic Nuclei*
- T-19 Colloquium, 9. November 2000, Jena, Astrophysikalisches Institut und Universitätssternwarte:  
A. Krabbe 2000, *Rätselhafte Zentren Aktiver Galaxien*
- T-18 AAS, Rochester, Annual Meeting, 6. June 2000:  
A. Krabbe 2000, *The SOFIA Telescope*
- T-17 Colloquium, Berlin, Technische Universität, 4. May 2000:  
A. Krabbe 2000, *Das Zentrum der Milchstraße*
- T-16 USRA: SOFIA Symposium and Celebration, 3. November 1999, Waco, USA:  
A. Krabbe 1999, *The SOFIA Telescope and the German First Light Instrumentation*
- Deutscher Luft- und Raumfahrtkongress 1999 / DGLR Jahrestagung 1999, September 1999, Berlin, presented by H.-P. Röser, published in:  
P-43 H.-P. Röser, R. Titz, & A. Krabbe 1999, *SOFIA ein Teleskop fliegt 1. Klasse im Jumbo*, in: Tagungsband, Deutscher Luft- und Raumfahrtkongress 1999 / DGLR Jahrestagung 1999
- T-15 SOFIA Science Briefing, 1. September 1999, Bonn, German Aerospace Center:  
A. Krabbe 1999, *Das SOFIA Teleskop*
- T-14 SOFIA-Star Formation Workshop, 12. – 17. July 1999, St. Cruz, USA:  
A. Krabbe 1999, *Heterodyne Instruments for SOFIA*
- T-13 Colloquium, Edinburgh, Royal Observatory Edinburgh, April 1999:  
A. Krabbe 1999, *SOFIA, A new Era in Airborne Astronomy*
- T-12 Colloquium, 24. February 1999, Köln, I. Physikalisches Institut der Universität Köln:  
A. Krabbe 1999, *Zentraler Sternhaufen und Schwarzes Loch im Zentrum der Milchstraße*
- T-11 Colloquium, 26. November 1998 Jena, Astrophysikalisches Institut und Universitätssternwarte:  
A. Krabbe 1998, *Zentraler Sternhaufen und Schwarzes Loch im Zentrum der Milchstraße*
- T-10 Annual Meeting of the Astronomische Gesellschaft, September 1998, Heidelberg, published in:  
P-42 Krabbe A. & Röser H.-P. 1999, *SOFIA - Astronomy and technology at the beginning of the 21<sup>st</sup> century*, in: Rev. Mod. Astron., **12**, 107 - 129
- T-09 IAU Colloquium 159 on: Emission Lines in Active Galaxies: New Methods and Techniques, 17. - 20. June 1996, Shanghai, published in:  
P-32 Krabbe A. 1997, *Near Infrared Emission Lines in AGNs*, in: Emission Lines in Active Galaxies: New Methods and Techniques, eds. B.M. Peterson, F.-Z. Cheng, and A.S. Wilson, San Francisco: Astron. Soc. of the Pacific, vol. **113**, 325 – 332
- T-08 ESO/SPIE Workshop on Optical Telescopes of Today and Tomorrow, 29. May - 2. June 1996, Landskrona, Sweden, published in:  
P-31 Krabbe A., Thatte N., Kroker, H., Tacconi - Garman L.E., & Tecza M. 1997, *3D - A new generation imaging spectrometer*, in proc.: Optical Telescopes of Today and Tomorrow, SPIE, **2871**, Landskrona, p. 1179 - 1186
- T-07 SPIE Conference on: Imaging Spectrometry II, 7. - 8. August 1996, Denver, USA, published in:  
P-22 A. Krabbe 1996, *The new MPE near-infrared astronomical imaging spectrometer 3D*, in: Proc. of SPIE conference on: Imaging Spectrometry II, eds. M.R. Descour, J.M. & Mooney, vol. **2819**, Denver, p. 243 – 253

- T-06 Colloquium, January 1996, Berlin, DLR: Institut für Weltraumsensorik:  
A. Krabbe, *Das abbildende Spektrometer 3D: Umfassende Einsicht in aktive galaktische Kerne*
- 17th Texas Symposium on Relativistic Astrophysics and Cosmology , Dec 12 1995, Munich, presented by R. Genzel, Published in:
- P-18 Genzel R., Eckart A., & Krabbe A. 1995, *The Galactic Center*, in proc. of the: 17th Texas Symposium on Relativistic Astrophysics and Cosmology, Annals of the New York Academy of Sciences, eds. H. Böhringer, G.E. Morfill, & J.E. Trümper, vol. 759, 38 – 55.
- T-05 Colloquium, 28. November 1995, Jena, Astrophysikalisches Institut und Universitätssternwarte:  
A. Krabbe, *The Next Generation Imaging NIR Spectrometer 3D: New Insights in Active Galactic Nuclei*
- T-04 Colloquium, 8. November 1995, Space Telescope Science Institute, Baltimore:  
A. Krabbe, *The New Generation Imaging NIR Spectrometer 3D: New Insights in Active Galactic Nuclei*
- T-03 ESO/MPA workshop on: Spiral Galaxies in the Near-IR, 7. - 9. June 1995, Garching:  
A. Krabbe, *Near-Infrared spectroscopy of the Interstellar Matter*
- T-02 Colloquium, March 1995, , Max-Planck-Institut für Astronomie, Heidelberg:  
A. Krabbe, *The New Generation Imaging NIR Spectrometer 3D: New insights in Active Galactic Nuclei*
- T-01 Meeting of the Astronomische Gesellschaft, September 1992, Jena, Germany:  
A. Krabbe, *Near Infrared Imaging Spectroscopy of Galactic Nuclei*

### Patents

- Proetel K., Krabbe A., Haussecker K., Lemke D., Bellemann H., Flock F., *Secondary mirror tilting device for a reflecting telescope*, **United States** Patent, Pat. No. 4.613.203, filing date: 23. 9. 1986
- Proetel K., Krabbe A., Haussecker K., Lemke D., Bellemann H., Flock F., *Secondary mirror tilting device*, **United Kingdom** Patent, Pat. No. 2119953, filing date: 7. 4. 1983
- Proetel K., Krabbe A., Haussecker K., Lemke D., Bellemann H., Flock F., *Dispositif de basculement du miroir secondaire d'un télescope*, **République Française**, No. d'enregistrement national: 83 05588, filing date: 6. 4. 1983
- Proetel K., Krabbe A., Haussecker K., Lemke D., Bellemann H., Flock F., *Sekundärspiegel Kippvorrichtung*, **Japan**, Patent No. SHO 58-60642, filing date: 6. 4. 1983
- Proetel K., Krabbe A., Haussecker K., Lemke D., Bellemann H., Flock F., *Sekundärspiegelkipprichtung für ein Spiegelteleskop*, **Deutsches Patentamt**, Patent No. P3213076.7, München 1982

### Contributions to Conferences and other Publications

2023

- C-192 Zinnecker H., Krabbe A. 2023: *The future of far-infrared astronomy beyond SOFIA*, in Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 341 - 345, <https://doi.org/10.18716/kups/64624>
- C-191 Klein R., Reedy A., Colditz S., Fadda D., Fischer C., Krabbe A., Looney L. & Tielens A.G.G.M., 2023: Radiative Feedback: Multi-line Study of the Photo-Dissociation Region M17-SW, in: Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn

Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 154 -156,  
<https://doi.org/10.18716/kups/64624>

- C-189 Beck, A., Fischer, C., Iserlohe, C., Kazmierczak-Barthel M., Krabbe A., Latzko S.T., Lebouteiller V., Madden S.C., Pérez-Beaupuits J.P. & Ramambason L., 2023: *Infrared View of the Multiphase ISM in NGC 253*, in: Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 93 - 95, <https://doi.org/10.18716/kups/64624>
- C-189 Bryant A., Krabbe A., Iserlohe C. & Fischer C. 2023: *Far-Infrared Imaging Spectroscopy of the Galactic Centre's Circumnuclear Disk*, in: Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 54 - 56, <https://doi.org/10.18716/kups/64624>
- C-188 Fischer C., Vacca W., Iserlohe c., Latzko S.T. & Krabbe A. 2023: Probing the ionized gas in the core and outburst of the nearby starburst galaxy M82 with FIFI-LS/SOFIA, in: Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 90 - 92, <https://doi.org/10.18716/kups/64624>
- C-187 Madden S.C. & the LMC+ Consortium 2023: *LMC+ SOFIA Legacy Program*, in: Ossenkopf-Okada V., Schaaf R., Breloy I., Stutzki J. (eds.): Physics and Chemistry of Star Formation: The Dynamical ISM Across Time and Spatial Scales. Proceedings of the 7th Chile-Cologne-Bonn Symposium Published by Universitäts- und Stadtbibliothek Köln, p. 60 - 62, <https://doi.org/10.18716/kups/64624>
- 2022
- C-186 Latzko S.T., Fischer C., Krabbe A., et al. 1922: *Investigating the [CII] deficit in M82 with FIFI-LS on SOFIA*, Annual Meeting of the German Astronomical Society, Bremen 12. – 16. Sept. 2022, contributed talk
- C-185 Bryant A., Krabbe A., Iserlohe C., Fischer C. 2022: *Far-Infrared Imaging Spectroscopy of the Galactic Centre's Circumnuclear Disk*, European Astronomical Society Annual Meeting, June 27 – July 2 2022, contributed talk No. 923
- C-184 Beck A., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Krabbe A., Latzko S., Lebouteiller V., Madden S., Perez-Beaupuits J.-P., Ramambason L. 2022: *Infrared View of the Multiphase Interstellar Medium in NGC253*, European Astronomical Society Annual Meeting, June 27 – July 2 2022, e-Poster No. 1278
- C-183 Pahler, A., Bougueroua, B., Janson, O., Jokschas T., Klinkner S., Krabbe A., Maier P., Taheran M., Vaerneus A. 2022: *Development of the modular and flexible payload electronics for the STUDIO balloon astronomy mission within the ESBO initiative*. In: Proceedings of the 25th ESA Symposium on European Rocket & Balloon Programmes and related research, p. 240 – 241, SP-743, ISBN 978-92-9221-308-4, ISSN 0379-6566
- C-182 Maier P., Ångerman M., Barnstedt J., Bougueroua S., Colin A., Conti L., Diebold S., Duffard R., Janson O., Kalkuhl C., Kappelmann N., Keilig T., Klinkner S., Krabbe A., Lengowski M., Lockowandt C., Mueller T., Pahler M.A., Rauch T., Schanz T., Stelzer B., Taheran M., Vaerneus A., Werner K., Wolf J., 2022, *Status, Flight Preparation, and Future Instrument Opportunities of the STUDIO balloon-borne telescope platform*, 44th COSPAR Scientific Assembly, 16-24 July, 2022. Online at <https://www.cospars2022.org/> Abstract PSB.1-0007-22
- C-181 Taheran Vernoosfaderani M., Maier P., Pahler A., Bougueroua S. Klinkner S., Krabbe A., Völker T., Ackermann J., Ångermann M. 2022: *Creating a highly flexible and autonomous stratospheric observatory: the essential elements of the European Stratospheric Balloon Observatory payload control software*, in Proc. of SPIE, vol. 12189, id. 1218908 17 pp.
- C-180 Bougueroua S., Ångerman M., Barnstedt J., Colin A., Conti L., Diebold S., Duffard R., Janson O., Kalkuhl C., Kappelmann N., Keilig T., Klinkner S., Krabbe A., Lengowski M., Lockowandt C., Maier P., Müller T., Pahler A., Rauch T., Schanz T., Stelzer B., Taheran M., Vaerneus A., Werner K., Wolf, J. 2022: *Status, flight preparation, and future instrument opportunities of the STUDIO balloon-borne telescope platform*, in Proc of SPIE vol. 12182, id. 121822N 14 pp.

- C-179 Maier P., Ångerman M., Barnstedt J., Bougueroua S., Colin A., Conti L., Duffard R., Hanke L., Janson O., Kalkuhl C., Kappelmann N., Keilig T., Klinkner S., Krabbe A., Lengowski M., Lockowandt C., Müller T., Ortiz J.-L., Pahler A., Rauch T., Schanz T., Stelzer B., Taheran M., Vaerneus A., Werner K., Wolf J. 2022: *Stratospheric Balloons as a Complement to the Next Generation of Astronomy Missions*, Proc. 71st International Astronautical Congress, 12-14 October 2020, DOI: <https://arxiv.org/abs/2202.04651>
- C-178 Maier P., Wolf J., Krabbe A., Keilig T., Pahler A., Bougueroua S., Müller T., Duffard R., Ortiz J.-L., Klinkner S., Lengowski M., Krokstedt C., Lockowandt C., Kappelmann N., Stelzer B., Werner K., Geier S., Kalkuhl C., Rauch T., Schanz T., Barnstedt J., Conti L., Hanke L., Kaźmierczak-Barthel M. 2022: *Stratospheric balloons as a platform for the next large far infrared observatory*, Proc. 69th International Astronautical Congress, 1-5 October 2018, DOI: <https://arxiv.org/abs/2202.04580>
- 2021
- C-177 Maier P., Krabbe A., Rauch T., Werner K., Kappelmann N., Lockowandt C., Mueller T., Abrahamsson M., Duffard R. 2021: *The STUDIO UV astronomy mission - a step towards a European balloon observatory*, 43rd COSPAR Scientific Assembly. Held 28 January - 4 February, 2021. Abstract PSB.1-0019-21 (oral), id.2303.
- C-176 Sperling T., Eisloeffel J., Fischer C., Nisini B., Giannini T., Krabbe A. 2021: *VizieR Online Data Catalog: Four Herbig-Haro objects SOFIA/FIFI-LS images (Sperling+, 2021)*, VizieR On-line Data Catalog: J/A+A/650/A173. Originally published in: 2021A&A...650A.173S
- C-175 Klein R., Bigiel F., De Looze I., Krabbe A., Cormier D., Barnes A., Fischer C., Bolatto A., Bryant A., Colditz S., Geis N., Herrera-Camus R., Iserlohe C., Leroy A., Linz H., Looney L., Madden S., Poglitsch A., Stutzki, J., Vacca W. 2021, *CO-dark Molecular Gas and Star Formation across the Nearby Spiral Galaxy NGC 6946*, AAS eeting #237, id. 137.01. Bulletin of the AAS, 53, No. 1 e-id 2021n1i137p01
- 2020
- C-174 Sperling T., Eislöffel J., Fischer C., Nisini B., Giannini T., Krabbe A. 2020, *VizieR Online Data Catalog: Five Herbig-Haro objects SOFIA/FIFI-LS images (Sperling+, 2020)*, VizieR On-line Data Catalog: J/A+A/642/A216, Bibcode: [2020yCat..36420216S](https://arxiv.org/abs/2020yCat..36420216S)
- C-173 Colditz S., Looney L.W., Bigiel F., Fischer C., Fischer J., Hailey-Dunsheath S., Herrera-Camus R., Krabbe A., LeDuc H., Wong T., Zmuidzinas J. 2020: *Upgrading the field-imaging far-infrared line spectrometer for the Stratospheric Observatory for Infrared Astronomy (SOFIA) with KIDs: enabling large sample (extragalactic) surveys*, in proc. of. SPIE: Millimeter, Submillimeter, and Far-Infrared Detectors and Instrumentation for Astronomy X, vol. 11453, <https://doi.org/10.1117/12.2560120>
- C-172 Pahler A., Ångermann M., Barnstedt J., Bougueroua S., Colin A., Conti L., Diebold S., Duffard R., Embergera M., Hanke L., Kalkuhl C., Kappelman N., Keilig T., Klinkner S., Krabbe A., Janson O., Lengowski M., Lockowandt C., Maier P., Müller T., Rauch T., Schanz T., Stelzer B., Taheran M., Vaerneus A., Werner K., Wolf J. 2020, *Status of the STUDIO UV balloon mission and platform*, proc. of. SPIE: Ground-based and Airborne Telescopes VIII, vol. 11445, <https://doi.org/10.1117/12.2575932>
- C-171 Conti L., Barnstedt J., Buntrock S., Diebold S., Hanke L., Kalkuhl C., Kappelmann N., ..., Werner K., Elsener H.-R., Bougueroua S., Keilig T., Krabbe A., Maier P., Pahler A., Taheran M., Wolf J., Meyer K., Schaadt D.M. 2020, *Microchannel-plate detector development for ultraviolet missions*, proc. of SPIE: Space Telescopes and Instrumentation 2020: Ultraviolet to Gamma Ray, vol. 11444, <https://doi.org/10.1117/12.2560663>
- C-170 Klein R., Reedy A., Colditz S., Fadda D., Fischer C., Krabbe A., Looney L., Vacca W., FIFI-LS Team, 2020, *Multi-line Study of the Photo-dissociation Region M17-SW with SOFIA*, AAS Meeting Abstracts #236, Bib: 2020AAS...23623704K
- 2019
- C-169 Schindler K., Bosh A.S., Levine S.E., Person M.J., Wolf J., Zuluaga C., Krabbe A. 2019, *Results from a stellar occultation by KBO Varda*, American Geophysical Union, Fall Meeting 2019, abstract #P42C-08

- C-168 R. Klein, A. Reedy, S. Colditz, D. Fadda, C. Fischer, A. Krabbe, L. Looney, W. Vacca 2019, *The PDR in M17-SW analyzed with FIFI-LS onboard SOFIA*, AAS Meeting Abstracts #233, Bib: 2019AAS...23331101K
- C-167 Beck A., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *SOFIA/FIFI-LS Observations of the Starburst Galaxy NGC 253*, in: Spectroscopy with SOFIA: new results & future opportunities, Poster
- C-166 Latzko S., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: Spectroscopy with SOFIA: new results & future opportunities, Poster
- C-165 Beck A., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *SOFIA/FIFI-LS Observations of the Starburst Galaxy NGC 253*, in: Toruń Astrophysics, Spectroscopy and Quantum Chemistry School (TASQ), Poster
- C-164 Latzko S., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: Toruń Astrophysics, Spectroscopy and Quantum Chemistry School (TASQ), Poster
- C-163 Beck A., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *SOFIA/FIFI-LS Observations of the Starburst Galaxy NGC 253*, in: Jahrestagung der Astronomischen Gesellschaft (Annual Meeting of the German Astronomical Society), Poster
- C-162 Latzko S., Colditz S., Fischer C., Iserlohe C., Kaźmierczak-Barthel M., Klein R., Krabbe A., Vacca W.D., 2019, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: Jahrestagung der Astronomischen Gesellschaft (Annual Meeting of the German Astronomical Society), Poster
- 2018
- C-161 Beck A., Fischer C., Kaźmierczak-Barthel M., Krabbe A., 2018, *SOFIA/FIFI-LS Observations of the Starburst Galaxy NGC 253*, in: 10th IRAM millimeter interferometry school, Poster
- C-160 Latzko S., Fischer C., Kaźmierczak-Barthel M., Krabbe A., Vacca W.D., 2018, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: 10th IRAM millimeter interferometry school, Poster
- C-159 Latzko S., Fischer C., Kaźmierczak-Barthel M., Krabbe A., Vacca W.D., 2018, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: IAU 30 GA 2018 Vienna, Poster
- C-158 Lammen Y., Reinacher A., Krabbe A. 2018, *Solving a Performance Limiting Resonance Frequency Problem of the SOFIA Secondary Mirror Mechanism by Structural Modifications*, in: NASA/CP-2018-219887, GRC-E-DAA-TN51241, E-19501, May 01, 2018, 44<sup>th</sup> Aerospace Mechanism Symposium
- C-157 Latzko S., Fischer C., Kaźmierczak-Barthel M., Krabbe A., Vacca W.D. 2018, *Observation of the starburst galaxy M82 with SOFIA/FIFI-LS*, in: KMOS@5: Star and Galaxy Formation in 3D - Challenges at KMOS 5th Year, DOI: [10.5281/zenodo.2595148](https://doi.org/10.5281/zenodo.2595148)
- C-156 Beck A., Fischer C., Kaźmierczak-Barthel M., Krabbe A. 2018, *SOFIA (FIFI-LS) observations of the starburst galaxy NGC 253*, in: KMOS@5: Star and Galaxy Formation in 3D - Challenges at KMOS 5th Year, DOI: [10.5281/zenodo.2595105](https://doi.org/10.5281/zenodo.2595105)
- C-155 Maier P., Wolf J., Keilig T., Krabbe A., Duffard R., Ortiz J.L., Klinkner S., Lengowski M., Müller T., Lockowandt C., Krokstedt C., Kappelmann N., Stelzer B., Werner K., Geier S., Kalkuhl C., Rauch T., Schanz T., Barnstedt J., Conti L., Hanke L., Angerhausen D. 2018, *Towards a European Stratospheric Balloon Observatory - Planetary Science Applications*, in: European Planetary Science Congress 2018, held 16-21 September 2018 at TU Berlin, Berlin, Germany, id.EPSC2018-1282, Bib: 2018EPSC...12.1282M
- C-154 Klein R., Fadda D., Krabbe A., Reedy A., Colditz S., Fischer C., Looney L., Vacca W., 2018, *PDR Analysis with Far-infrared Diagnostic Lines in M17-SW*, in: 42nd COSPAR Scientific Assembly, Bib: [2018cosp...42E1769K](https://doi.org/10.5281/zenodo.42E1769K)
- C-153 Encalada F., Looney L., Klein R. Fischer C., Colditz S., Fadda D., Geis N., Höhle R., Iserlohe C., Krabbe A., Poglitsch A., Raab W., Vacca W. 2018, *Fifi-Ls FIR View of Orion: Fine Structure and CO*



*Lines*, in: 73rd International Symposium on Molecular Spectroscopy: June 18-22, 2018 at The University of Illinois at Urbana-Champaign. Abstract id. RL07, [10.15278/isms.2018.RL07](https://doi.org/10.15278/isms.2018.RL07)

- C-152 Maier P., Wolf J., Keilig T., [Krabbe A.](#), Duffard R., Ortiz J.-L., Klinkner S., Lengowski M., Müller T., Lockowandt C. and 11 coauthors 2018, *Towards a European Stratospheric Balloon Observatory: the ESBO design study*, in proc of SPIE, vol. 10700, id.107004M, 12 pp.
- C-151 Lammen Y., Reinacher A., [Krabbe A.](#) 2018, *An end-to-end simulation to predict the in-flight performance improvement of a modi-fied SOFIA secondary mirror mechanism*, in: proc. of SPIE, vol. 10700, id. 107001F, 12 pp.
- C-150 Schindler K., Wolf J., [Krabbe A.](#) 2018, *The astronomical telescope of the University of Stuttgart (ATUS): commissioning and first results*, in: proc. of SPIE, vol. xxxx, id. yyyy ?? pp
- C-149 Greiner B., Malicek B., Lachenmann M., [Krabbe A.](#), Wagner J. 2018, *A new finite element model of the SOFIA primary mirror cell to investigate dynamical behavior*, in: proc. of SPIE, vol. 10700, id. 107000, 10 pp.
- C-148 Klein R., Reedy A., Colditz S., Fadda D., Fischer C., Geis N., Hönle R., Iserlohe C., [Krabbe A.](#), Looney L., and 4 coauthors 2018, *SOFIA/FIFI-LS Observations of Galactic PDRs*, AAS #231, id.445.12

2017

- C-147 Lyke J., Do T., Boehle A., Campbell R., Chappell S., Fitzgerald M., Gasawy T., Iserlohe C., [Krabbe A.](#), Larkin J., et 12 al. 2017, *OSIRIS Toolbox: OH-Suppressing InfraRed Imaging Spectrograph pipeline*, Astrophysics Source Code Library, record ascl:1710.021
- C-146 Klein R., Looney L.W., Cox E., Fischer C., Iserlohe C., [Krabbe A.](#) 2017, *The Orion Nebula in the Far-Infrared: High-J CO and fine-structure lines mapped by FIFI-LS/SOFIA*, in in proc. of IAU, vol. 316, 153 - 154

2016

- Wolf J., Colditz S., Lachenmann M., Pfüller E., Schindler K., Wiedemann M., Zinnecker H., [Krabbe A.](#) 2016, *Deutsches SOFIA Institut (DSI) at the SOFIA Science Center: engineering and scientific contributions to the airborne observatory*, in Proc. of the SPIE, Volume 9973, id. 99730J 14 pp.
- C-145 Schindler K., Lang D., Moore L., Hümmer M., Wolf J., [Krabbe A.](#) 2016, *Computer-aided star pattern recognition with astrometry.net: in-flight support of telescope operations on SOFIA*, in proc. of SPIE, vol. 9913, id. 991307, 14 pp.
- C-144 Pfüller E., Wiedemann M., Wolf J., [Krabbe A.](#) 2016, *Development of the FPI+ as facility science instrument for SOFIA cycle four observations*, in proc. of SPIE, vol. 9908, id. 99082W 9 pp.
- C-143 Rebell F., Beckmann S., Bryant A., Colditz S., Fischer C., Fumi F., Hoenle R., Geis N., Iserlohe C., Klein R., [Krabbe A.](#), Looney L., Poglitsch A., Raab W., Savage M. 2016, *FIFI-LS diffraction grating vibration on SOFIA*, in proc. of SPIE, vol. 9908, id. 99082D 14 pp.
- C-142 Wiedemann M., Wolf J., McGrotty P., Edwards C., [Krabbe A.](#) 2016, *A high-sensitivity EM-CCD camera for the open port telescope cavity of SOFIA*, in proc. of SPIE, vol. 9906, id. 99061U 16 pp.
- C-141 Fischer C., Bryant A., Beckmann S., Colditz S., Fumi F., Geis N., Henning T., Hönle R., Iserlohe C., Klein R., [Krabbe A.](#), Looney L.W., Poglitsch A., Raab W., Rebell F., Trinh C. 2016, *Observing with FIFI-LS on SOFIA: time estimates and strategies to use a field imaging spectrometer on an airborne observatory*, in proc. of SPIE, vol. 9910, id. 991027 11 pp.
- C-140 Lammen Y., Reinacher A., Brewster R., Greiner B., Graf F., [Krabbe A.](#) 2016, *A new test environment for the SOFIA secondary mirror assembly to reduce the required time for in-flight testing*, in proc. of SPIE, vol. 9906, id. 99064T 12 pp.
- C-139 Greiner B., Lammen Y., Reinacher A., [Krabbe A.](#), Wagner J. 2016, *Characterization of the mechanical properties of the SOFIA secondary mirror mechanism in a multi-stage approach*, in proc. of SPIE, vol. 9906, id. 99063R 12 pp.
- C-138 Kärcher H., Erickson E.F., [Krabbe A.](#), Wagner J. 2016, *SOFIA design history*, in proc. of SPIE, vol. 9906, id. 99061V 13 pp.

- C-137 Lammen Y., Reinacher A., Kjelberg I., Droz S., Jakob H., Graf F., Lachenmann M., [Krabbe A.](#) 2016, *SOFIA secondary mirror mechanism heavy maintenance and improvements*, in proc. of SPIE, vol. 9906, id. 99061R 11 pp.
- C-136 Madden S.C., [Krabbe A.](#), Beckmann S., Bryant A., Colditz S., Fischer C., Fumi F., Geis N., Henning T., Hönle R., Iserlohe C., Klein R., Looney L., Poglitsch A., Raab W., Rebell F., Vacca W. D. 2016, *FIRST results of FIFI-LS Far Infrared Spectroscopic Imaging of Local Galaxies*, AAS Meeting #227, id.320.05
- 2015
- C-135 Klein R., Looney L., Cox E., Fischer C., Iserlohe C., [Krabbe A.](#) 2015, *The Orion Nebula in the Far-Infrared: high-J CO and fine-structure lines mapped by FIFI-LS/SOFIA*, IAU General Assembly, Meeting #29, id.2251222
- 2014
- C-134 E.C. Smith, J.W. Miles, B.G. Andersson, E.E. Becklin, J.M. De Buizer, C.D. Dowell, E.W. Dunham, R. Güsten, R.T. Hamilton, D.A. Harper, T.L. Herter, R. Klein, [A. Krabbe](#), P.M. Marcum, I.S. McLean, W.T. Reach, M.J. Richter, T.L. Roellig, G. Sandell, M.L. Savage, P. Temi, W.D. Vacca, J.E. Vaillancourt, J.E. Van Cleve, E.T. Young, P.T. Zell, A. Boogert 2014, *SOFIA science instruments: commissioning, upgrades, and future opportunities*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 914706, 8 pp.
- C133 A. Bryant, C. Fischer, R. Hönle, S. Beckmann, S. Colditz, F. Fumi, N. Geis, C. Iserlohe, R. Klein, [A. Krabbe](#), L.W. Looney, A. Poglitsch, W. Raab, T.F.E. Henning, F. Rebell, M.L. Savage, 2014, *FIFI-LS observation planning and data reduction*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91474G, 8 pp
- C-132 H.J. Kärcher, N. Kunz, [A. Krabbe](#), J. Wagner, P. Temi, M. Süß 2014, *SOFIA pointing history*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91450S, 13 pp.
- C-131 K. Schindler, J. Wolf, [A. Krabbe](#) 2014, *Characterization of two InGaAs-based cameras for astronomical applications using a new VIS-NIR-SWIR detector test bench*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91450X, 13 pp.
- C-130 F. Rebell, W. Raab, S. Colditz, S. Beckmann, A. Bryant, C. Fischer, F. Fumi, N. Geis, R. Hönle, R. Klein, [A. Krabbe](#), L.W. Looney, A. Poglitsch, M.L. Savage, S. Ragan 2014, *Precise angular positioning at 6K: the FIFI-LS grating assembly*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 914735, 9 pp.
- C-129 E.T. Young, B. G. Andersson, E.E. Becklin, W.T. Reach, R. Sankrit, [A. Krabbe](#), H. Zinnecker 2014, *General investigator science program on SOFIA*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91450Q, 12 pp
- C-128 S. Colditz, R. Klein, S. Beckmann, A. Bryant, C. Fischer, F. Fumi, N. Geis, R. Hönle, [A. Krabbe](#), L.W. Looney, A. Poglitsch, W. Raab, S.E. Ragan, F. Rebell, M.L. Savage 2014, *Boresight calibration of FIFI-LS: in theory, in the lab and on sky*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91474S, 12 pp.
- C-127 R. Klein, S. Beckmann, A. Bryant, S. Colditz, C. Fischer, F. Fumi, N. Geis, R. Hönle, [A. Krabbe](#), L.W. Looney, A. Poglitsch, W. Raab, F. Rebell, M.L. Savage 2014, *FIFI-LS: the facility far-infrared spectrometer for SOFIA*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy V, SPIE Conference Series, eds. S.K. Ramsay, I.S. McLean, H. Takami, vol. **9147**, id. 91472X, 8 pp.
- C-126 R. Klein, S. Beckmann, A. Bryant, S. Colditz, C. Fischer, F. Fumi, N. Geis, R. Hönle, [A. Krabbe](#), L.W. Looney, A. Poglitsch, W. Raab, F. Rebell, M.L. Savage 2014, *FIFI-LS: the facility far-infrared spectrometer for SOFIA*, AAS vol. **224**, id. 418.03

2013



- C-125 Miles J.W., Helton L.A., Sankrit R., Andersson B.G., Becklin E.E., De Buizer J.M., Dowell C.D., Dunham E.W., Güsten R., Harper D.A., Herter T.L., Keller L.D., Klein R., Krabbe A., Marcum P. M., McLean I.S., Reach W.T., Richter M.J., Roellig T.L., Sandell G., Savage M.L., Smith E.C., Temi P., Vacca W.D., Vaillancourt J.E., Van Cleve J.E., Young E.T., Zell P.T. 2013, *Capabilities, performance, and status of the SOFIA science instrument suite*, in Proceedings of the SPIE, vol. **8867**, id. 88670N, 12 pp.
- 2012
- C-124 Kärcher H.J., Wagner J., Krabbe A., Lampater U., Jakob H., Reinacher A., Wolf J. 2012, *SOFIA in operation: telescope performance during the early science flights*, in proc. of SPIE: Ground-based and Airborne Telescopes IV, SPIE Conference Series, eds. Larry M. Stepp, Roberto Gilmozzi, & Helen J. Hall, vol. **8444**, article id. 84442R, 8 pp. <https://doi.org/10.1117/12.925416>
- C-123 Colditz S., Fumi F., Geis N., Hönle R., Klein R., Krabbe A., Looney L, Poglitsch A., Raab W., Savage M., Rebell F., and Fischer C. 2012, *The SOFIA far-infrared spectrometer FIFI-LS: spearheading a post Herschel era*, Proc. SPIE 8446, Ground-based and Airborne Instrumentation for Astronomy IV, ed. Maureen Savage, vol. **8446**, article id. 844617; <https://doi.org/10.1117/12.924510>
- 2011
- C-122 Angerhausen D., Krabbe A., Zinnecker H., 2011, *Exoplanet transit spectro-photometry with SOFIA*, in proc of IAUS, **276**, p. 521 - 522
- C-121 Angerhausen D. & Krabbe A. 2011, Ground Based Imaging Spectroscopy of Transiting Extrasolar Planets, in ASPC proc. On Molecules in the Atmospheres of Extrasolar Planets, **450**, p.55 –
- 2010
- C-120 Gehrz R. D., Angerhausen D., Becklin E. E., Greenhouse M. A., Horner S., Krabbe A., Swain M. R., Young E. T. 2010, *SOFIA: On the Pathway toward Habitable Worlds*, in ASP proc.: Pathways Towards Habitable Planets, ASP conference series, eds. Vincent Coudé du Foresto, Dawn M. Gelino, & Ignasi Ribas, vol. **430**, p. 201
- C-119 Hamidouche M., Young E., Marcum P., Krabbe, A. 2010, Stratospheric Observatory for Infrared Astronomy, in proc. of: Astrophysics - Instrumentation and Methods for Astrophysics, SF2A-2010, eds. S. Boissier, M. Heydari-Malayeri, R. Samadi, & D. Valls-Gabaud, Marseille France 2010 in print
- C-118 Kärcher H., Krabbe A., Wagner J., Engfer C., Lampater U., Wolf J. 2010, *SOFIA in operation: status of the telescope in-flight commissioning*, in proc. of SPIE: Ground-based and Airborne Telescopes III, SPIE Conference Series, eds. Larry M. Stepp, Roberto Gilmozzi & Helen Hall, vol. **7733**, p. 773338-773338-9
- C-117 Wolf J., Röser H.-P., Krabbe A., Pfüller E. 2010, *A fast EM-CCD camera as performance monitor for the SOFIA Telescope with science capabilities*, in proc. of SPIE: Ground-based and Airborne Telescopes III, SPIE Conference Series, eds. Larry M. Stepp, Roberto Gilmozzi & Helen Hall, vol. **7733**, p. 77330P-77330P-8
- C-116 Young E., Becklin E., Marcum P., Krabbe A., Hall H. 2010, *SOFIA: progress to initial science flights*, in proc. of SPIE: Ground-based and Airborne Telescopes III, SPIE Conference Series, eds. Larry M. Stepp, Roberto Gilmozzi & Helen Hall, vol. **7733**, p. 77330M-77330M-8
- C-115 Krabbe A., Mehler D. 2010, *SOFIA – Getting Ready for First Light*, in: Workshop on Infrared Emission ISM, and Star Formation, MPA Heidelberg Germany, 22. – 24. 02. 2010, [http://www.mpia-hd.mpg.de/IR10/IR10\\_posters/Krabbe.pdf](http://www.mpia-hd.mpg.de/IR10/IR10_posters/Krabbe.pdf)
- C-114 Greiner B., Lampater U., Krabbe A., 2010, *Operational Modal Analysis and its Application for SOFIA Telescope Assembly Vibration Measurements*, in Proc of: Sixth Pegasus-AIAA Student Conference Sevilla (Spain), 2010, published online at: [http://www.pegasus-europe.org/AIAA\\_Pegasus/Papers/Greiner\\_Stuttgart.pdf](http://www.pegasus-europe.org/AIAA_Pegasus/Papers/Greiner_Stuttgart.pdf)
- 2009
- C-114 Hodapp K.W., Iserlohe C., Stecklum B., Krabbe A. 2009, *Sigma Orionis IRS1 A and B: A Binary Containig a Proplyd*, in proc. of AIP, vol. **1158**, p. 247-248

- C-113 Angerhausen D., Krabbe A., Iserlohe C. 2009, *Phase-differential NIR integral spectroscopy of Hot Jupiters*, in proc of IAU Symposium on *Transiting Planets*, vol. **253**, p. 552 – 555
- 2008
- C-112 Gal C., Mueller-Sanchez F., Krabbe A., Eisenhauer F., Iserlohe C. , Haug M., Herbst T. M. 2008, *LIINUS: a design study for interferometric imaging spectroscopy at the LBT*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy II, SPIE Conference Series, eds. Ian S. LcLean & Mark M. Casali, vol. **7014**, p.70147E-70147E-12
- C-111 Mueller-Sanchez F., Eisenhauer F., Haug M., Gal C., Krabbe A., Herbst T. M. 2008, *Coupling LBT's double pupil into optical fibers* in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy II, SPIE Conference Series, eds. Ian S. LcLean & Mark M. casali, vol. **7014**, p.70144I-70144I-12
- C-110 Mueller-Sanchez F., Gal C., Eisenhauer F., Krabbe A., Haug M., Iserlohe C., Herbst T. M. 2008, *LIINUS/SERPIL: a design study for interferometric imaging spectroscopy at the LBT* in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy II, SPIE Conference Series, eds. Ian S. LcLean & Mark M. casali, vol. **7014**, p.701425-701425-12
- C-109 Kärcher H., Krabbe A., Wegmann T. 2008, *The SOFIA telescope: preparing for early science* in proc. of SPIE: Ground-based and Airborne Telescopes II, SPIE Conference Series, eds. Larry M. Stepp & Roberto Gilmozzi, vol. **7012**, p 70123T-70123T-9
- 2007
- C-108 Angerhausen D., Krabbe A., Iserlohe C. 2007, *Phase-differential NIR integral spectroscopy of HD209458b*, in proc. of *Transiting Extrasolar Planets workshop*, eds C. Alfonso, D. Weldrake, Th. Henning, ASPC, vol. **366**, 262
- C-107 Krabbe A., Kärcher H. 2007, *SOFIA – A telescope for Harsh Environments*, proc of I. ARENA Conference on Large Astronomical Infrastructure at the Concordia Station, EAS Publications Series, vol **25**, 315
- C-106 Quirrenbach A., Larkin J., Barczys M., Gasaway T., Iserlohe C., Krabbe A., McElwain M., Song, I, Weiss J., & Wright S., 2007: *OSIRIS – A New Integral-Field Spectrograph at Keck Observatory*, proc. of ESO workshop on: Science Perspectives for 3D Spectroscopy, eds. M. Kissler-Patig, M.M. Roth and J.R. Walsh, Springer: ESO Astrophysics Symposia, p.41
- 2006
- C-106 Gal C., Mueller-Sanchez F., Krabbe A., Eisenhauer F., Iserlohe C. , Haug M., Herbst T. M. 2006, *LIINUS/SERPIL: a design study for interferometric imaging spectroscopy at the LBT*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy, SPIE Conference Series **6269**, Orlando, 6269-135
- C-104 Larkin J.E., Barczys M., & Krabbe A. 2006, *OSIRIS: A diffraction limited integral-field spectrograph for Keck*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy, SPIE Conference Series **6269**, Orlando, 6269-47
- C-103 Krabbe A., Larkin J.E., Iserlohe C., Barczys M., Quirrenbach A., McElwain M., , Weiss J., & Wright S. 2006, *First results with OSIRIS: NIR-imaging spectroscopy at the diffraction limit*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy, SPIE Conference Series **6269**, Orlando, 6269-174
- C-102 Angerhausen D., Krabbe A., & Iserlohe C. 2006, *Near-infrared integral-field spectroscopy of HD209458*, in proc. of SPIE: Ground-based and Airborne Instrumentation for Astronomy, SPIE Conference Series **6269**, Orlando, 6269-176
- C-101 Krabbe A., Iserlohe C., Larkin J., Barczys M., McElwain M., Weiss J., Wright S., & Quirrenbach A., 2006, *Diffraction limited Imaging Spectroscopy of a SgrA\* Flare with OSIRIS*, JPhCS, eds. R. Schödel, G.C. Bower, M. P. Muno, S. Nayzkshin, Th. Ott, Institue of Physics Publishing, Bristol, ISSN 1742-6588, vol. 54, p. 406 - 410
- C-100 Krabbe A., Larkin J., Iserlohe C., Barczys M., McElwain M., Quirrenbach A., Song I., Weiss J., & Wright S. 2006, *OSIRIS First Light: Observations of the Galactic Center*, AN, in print
- 2005

- C-99 McElwain M. W., Larkin J. E., Barczys M., Weiss J. L., Wright S. A., Krabbe A., Iserlohe C., Quirrenbach A. 2005, *OSIRIS Spectral Imaging of Closely Separated Binaries*, AAS, 207, 6812
- C-98 Wright S. A., Larkin J. E., Barczys M., Iserlohe C., Krabbe A., McElwain M., Weiss J. 2005, *OSIRIS Laser Guide Star Adaptive Optics Observations at Keck Observatory*, AAS, 207, 7809
- 2004
- C-97 Krabbe A., Kärcher H. 2004, *Status report on the SOFIA Pointing System*, in proc. of SPIE: Astronomical Structures and Mechanisms Technology, SPIE Conference Series **5495**, Glasgow, 51-55
- C-96 Krabbe A., Gasaway T., Song I., Iserlohe C., Weiss J., Larkin J.E., Barczys M., LaFreniere D. 2004, *Data Reduction Pipeline for OSIRIS, the new NIR Diffraction Limited Imaging Field Spectrograph for the Keck Adaptive Optics System*, in proc of SPIE: Ground Based Instrumentation for Astronomy, SPIE Conference Series **5492**, Glasgow, 1403-1410
- C-95 Weiss J., Barczys M., Larkin J.E., Honey A., McElwain M.W., Gasaway T.M., Krabbe A. 2004, *Control Software for OSIRIS: An infrared integral field spectrograph for the Keck adaptive optics system*, in: Advanced Software, Control, And Communication Systems for Astronomy, SPIE Conference Series **5496**, Glasgow, 426-437
- 2003
- C-94 Poglitsch A., Katterloher R. O., Hoenle R., Beeman J. W., Haller E. E., Richter H., Groezinger U., Haegel N. M., Krabbe A. 2003, *Far-infrared photoconductors for Herschel and SOFIA*, in proc. of SPIE: Millimeter and Submillimeter Detectors for Astronomy, SPIE vol. **4855**, Hawaii, 115-128
- C-93 Quirrenbach A., Larkin J., Krabbe A., Barczys M., & LaFreniere D. 2003, *Integral-Field Spectroscopy at the Resolution Limit of Large Telescopes: The Science Program of OSIRIS at Keck*, in proc. of SPIE: Instrument Design and Performance for Optical-Infrared Ground-Based Telescopes, SPIE vol. **4841**, Hawaii, 1493-1502
- C-92 Larkin J., Quirrenbach A., Krabbe A. et al. 2003, *OSIRIS, An Infrared Integral Field Spectrograph for the Keck Adaptive Optics System*, in proc. of SPIE: Instrument Design and Performance for Optical-Infrared Ground-Based Telescopes, SPIE vol. **4841**, Hawaii, 1600-1610
- C-91 Krabbe A. 2003, *Becoming reality: The SOFIA Telescope*, in proc. of SPIE: Airborne Telescope Systems II, eds. R. Melugin, H.-P. Röser, SPIE vol. **4857**, Hawaii, 251-256
- C-90 Wolf J., Krabbe A., Arnold M. 2003, *Optical Studies of the planned SOFIA instrument SPICA/LISA*, in proc. of SPIE: Airborne Telescope Systems II, SPIE vol. **4857**, Hawaii, 115-124
- 2002
- C-89 Katterloher R. Jakob G., Konuma M., Krabbe A., Haegel N.M., Samperi S. A., Beeman J.W., & Haller E.E., 2002a, in proc. of SPIE: Infrared Spaceborne Remote Sensing IX, vol. 4486, 200
- C-88 Katterloher R., Jakob G., Konuma M., Krabbe A., Haegel N.M., Samperi S.A., Beeman J.W., & Haller E.E. 2002, *GaAs LPE Growth Centrifuge a novel facility to produce high purity GaAs material*, in proc. of FAR-IR, Sub-mm & mm detector technology workshop, Wolf J., Farhoomand J. and McCreight C.R. (eds.), NASA/CP-211408, 352 - 355
- C-87 Weiss J., Larkin J.E., Barczys M., Gasaway T.M., Krabbe A., LaFreniere D., & Quirrenbach A. 2002, *Software architecture for OSIRIS, an infrared integral-field spectrograph for the Keck adaptive optics system*, in proc. of SPIE: Advanced telescope and instrumentation Control Software II, SPIE vol. **4848**, Hawaii, p. 61.
- C-86 Krabbe A., Gasaway T., Weiss J., Larkin J., Barczys M., Quirrenbach A., LaFreniere D. 2002, *The data reduction Pipeline for OSIRIS, the new Imaging Field Spectrometer for Keck*, in proc. of SPIE: Astronomical Data Analysis II, SPIE vol. **4847**, Hawaii, p. 448.
- C-85 Krabbe A., Böker T., & Maiolino R. 2002, *The Mid-Infrared – X-ray Correlation of Seyfert Galaxies*, in. Issues in Unification of AGNs, eds. R. Maiolino & A. Marconi, ASP Conference Series, **258**, 33-38.
- 2001

- C-84 Krabbe A. 2001, *The SOFIA telescope*, proceedings of SPIE conference on: Infrared Spaceborne Remote Sensing IX, eds. Marija Strojnik, San Diego, August 2001, **4486**, 71-76.
- C-83 Katterloher R., Jakob G., Konuma M., Krabbe A., Haegel N., Samperi S.A., & Haller E.E. 2001, *Liquid Phase Epitaxy Centrifuge for Growth of Ultra-pure Gallium Arsenide for Far Infrared Photoconductors*, proceedings of SPIE conference on: Infrared Spaceborne Remote Sensing IX, eds. Marija Strojnik & Björn F. Andersom, SPIE, **4486**, 200-208.
- 2000
- C-82 Wolf, J., Krabbe A., & Rabanus D. 2000, *SPICA: IR-Camera for SOFIA*, in: Imaging the Universe in Three Dimensions, eds. J. Bland-Hawthorn & W. van Breugel, ASP conference series, **195**, 470 - 472.
- C-81 Güsten R., Schäfer F., Stark R., van der Wal P., Graf U., Schieder R., Stutzki J., Hübers H., Krabbe A., Röser H.-P., Hartogh P. 2000, *The next step: FIR heterodyne spectroscopy on board SOFIA*, in proc. of: ISO beyond the peaks: The 2nd ISO workshop on analytical spectroscopy, February 2000, in press.
- C-80 Krabbe A. 2000, *The SOFIA telescope*, proceedings of SPIE conference on: Airborne Telescope Systems, eds. R. Melugin & H.-P. Röser, Munich, March 2000, **4014**, 276 - 281.
- C-79 Hübers H.-W., Semenov A., Schubert J., Gol'tsman G.N., Voronov B.M., Gershenson E.M., Krabbe A., Röser H.-P. 2000, *NBN hot electron bolometer as THz mixer for SOFIA*, proceedings of SPIE conference on: Airborne Telescope Systems, eds. R. Melugin & H.-P. Röser, Munich, March 2000, **4014**, 195 - 202.
- C-78 Krabbe A. & Wolf J. 2000, *LISA A low Resolution MIR/FIR Spectrometer for SOFIA*, in: Imaging the Universe in Three Dimensions, eds. J. Bland-Hawthorn & W. van Breugel, ASP conference series, **195**, 463 - 469.
- 1999
- C-77 Wolf J., Schubert J., Rabanus D., Paul E., Roesner K., Kirches S., Krabbe A. 1999, *SPICA: a spectral-photometric infrared camera for SOFIA*, Bull. Am. Astron. Soc., **31**, No. 1, 663.
- 1998
- C-76 Krabbe A. 1998, *Astronomical research with SOFIA at the DLR Institute of Space Sensor Technology*, in: SOFIA – Astronomie und Technologie im 21. Jahrhundert, eds. R. Titz, H.-P. Röser, Berlin, 87-98.
- C-75 Wolf J., Schubert J., Anheyer H., Driescher H., Hanna K., Kirches S., Paul E., Rabanus D., Rösner K., & Krabbe A. 1998, *SPICA: a spectral-photometric infrared camera for SOFIA*, in: SOFIA – Astronomie und Technologie im 21. Jahrhundert, eds. R. Titz, H.-P. Röser, Berlin, 99-110.
- C-74 Schwaab G., Bründermann E., Hübers H.W., Krabbe A., Röser H.-P., Sirmain G., Titz R., & Nitsche 1998, *A 2-6 THz Heterodyne Receiver Array for SOFIA*, in: SOFIA – Astronomie und Technologie im 21. Jahrhundert, eds. R. Titz, H.-P. Röser, Berlin, 155-162.
- C-73 Krabbe A., Wolf J., & Schubert J. 1998, *Low-resolution imaging spectroscopy with SOFIA*, Astron. Gesellsch. Meet. Abstracts, **14**, Heidelberg, 111.
- C-72 Wolf J., Schubert J., Rabanus D., Paul E., Rösner K., Kirches S., & Krabbe A. 1998, *SPICA: a spectral-photometric infrared camera for SOFIA*, Astron. Gesellsch. Meet. Abstracts, **14**, Heidelberg, 114.
- C-71 Thatte N., Tecza M., Tacconi-Garman L.E., Genzel R., Krabbe A., Maiolino R., Emsellem E., Bonaccini R., & Monnet G. 1998, *SINFONI: A high-resolution near-infrared imaging spectrometer for the VLT*, proc. of SPIE conference on: Astronomical telescopes and Instrumentation, March 98, vol. **3353**, Hilo, 704-715.
- C-70 Krabbe A., Wolf J., & Schubert J. 1998, *Low-resolution imaging spectroscopy with SOFIA*, proc. of SPIE conference on: Astronomical telescopes and Instrumentation, March 98, vol. **3354**, Hilo, 755-759.
- C-69 Tecza M., Thatte N.A., Krabbe A., Tacconi-Garman L.E., & Genzel R. 1998, *SPIFFI: A high-resolution near-infrared imaging spectrometer*, proc. of SPIE conference on: Astronomical telescopes and Instrumentation, March 98, vol. **3354**, Hilo, 394-403.

- C-68 Wolf J., Schubert J., Anheyer H., Driescher H., Hanna K., Kirches S., Paul E., Rabanus D., Rösner K., & Krabbe A. 1998, *SPICA: a spectral-photometric infrared camera for SOFIA*, proc. of SPIE conference on: Astronomical telescopes and Instrumentation, March 98, vol. **3354**, Hilo, 952-961.
- C-67 Schwaab G., Bründermann E., Hübers H.W., Krabbe A., Röser H.-P., Sirmain G. 1998, *2-6 THz heterodyne receiver array for the stratospheric observatory for infrared astronomy (SOFIA)*, proc. of SPIE conference on: Astronomical telescopes and Instrumentation, March 98, vol. **3357**, Hilo, 85 .
- 1997
- C-66 Thatte N., Maiolino R., Genzel R., Krabbe A., & Kroker H. 1997, *The Nuclear Stellar Cluster in NGC 1068*, ESO-IAC Conference on: Quasar hosts, D. L. Clements, I. Pérez-Fournon (eds.), Berlin, Springer XVII, 128 – 135.
- C-65 Thatte N., Genzel R., Tacconi L., Krabbe A. & Kroker H. 1997, *The Nuclear Stellar Cluster in NGC 1068*, Revista Mexicana de Astronomia y Astrofisica Serie de Conferencias, **6**, 227.
- C-64 Böker T., Förster N., Krabbe A. & Genzel R. 1997, *Near IR Imaging Spectroscopy of IC342: Spatially resolving a Bar-Driven Starburst*, Revista Mexicana de Astronomia y Astrofisica Serie de Conferencias, **6**, 129-131.
- C-63 Kroker H., Genzel R., Krabbe A., Tacconi-Garman L.E., Tecza M. & Thatte N. 1997, *NIR Imaging Spectroscopy of IRAS F10214+4724: Evidence for a Starburst Region around an AGN at  $z = 2.3$* , Revista Mexicana de Astronomia y Astrofisica Serie de Conferencias, **6**, 48.
- C-62 Wright C.M., Smith C.H., Krabbe A., Lehmann T., Böker T., Lovell A., Schloerb P., Devries C., Dickens J., Irvine W., & Senay M. 1997, *Comet C/1995 O1 (Hale Bopp)*, IAU Circ., **6590**, (ed. D.W.E. Green).
- C-61 Lehmann T., Böker T., Krabbe A. & Storey J.W.V. 1997, *10 and 20 $\mu$ m Imaging with MANIAC*, Messenger, ESO, **88**, 9 - 11.
- 1996
- C-60 Eckart A., Genzel R., Krabbe A., Hofmann R., Tacconi-Garman, L.E., Kroker H., & Thatte N. 1996: *The stellar cluster at the center of the Galaxy*, in: Astron.Soc. Pac. Conf. Ser., (eds.) C. Leitherer, U. Fritz-v. Alvensleben & J. Hucra, **98**, p. 386 – 387.
- C-59 Sams III B.J., Genzel R., Krabbe A., Thatte N., & Prada F. 1996: *Near-IR imaging spectroscopy of the cD galaxy NGC 1275*, in: Astron.Soc. Pac. Conf. Ser., (eds.) C. Leitherer, U. Fritz-v. Alvensleben & J. Hucra, **98**, p. 515 – 516.
- C-58 Sams B.J., Genzel R., Krabbe A., Thatte N., & Kroker H. 1996: *Near-IR imaging spectroscopy of the cD galaxy NGC 1275*, in: IAU Symposium, No. **171**, p. 440.
- C-57 Förster N.M., Böker T., Krabbe A., & Genzel R. 1996: *Revealing the nature of the nuclear starburst in M82*, in: Astron.Soc. Pac. Conf. Ser., (eds.) C. Leitherer, U. Fritz-v. Alvensleben & J. Hucra, **98**, p. 417 – 418.
- C-56 Böker T., Förster N., Krabbe A., & Genzel R. 1996, in: From Stars to Galaxies, ASP Conf., (eds.) C. Leitherer, U. Fritz-v. Alvensleben & J. Hucra, **98**, 455.
- C-55 Eckart A., Genzel R., Krabbe A., & Tacconi L. E. 1996, *Structure of the circumstellar regions of AGNs: Star formation and dense gas*, in proc. of IAU Symp. 170 on CO: 25 years of Millimeter wave Spectroscopy, ed. Radford et al., Cluwer: Dordrecht, 321.
- C-54 Najarro F., Kudritzki R.P., Krabbe A., Genzel R., Lutz D., & Hillier J. 1996, *Quantitative Spectroscopy of the He I Cluster*, ASP Conference Series, **102**, 203 – 211.
- C-53 Böker T., Förster N.M., Genzel R., Krabbe A., Tacconi-Garman L.E., & Tecza M. 1996, *Revealing the origin of nuclear starbursts in late-type spirals: IC 342*, in proc. of: The ESO/MPA Workshop on: Spiral Galaxies in the Near IR, eds. D. Minniti & H.-W. Rix, Springer: Berlin, Heidelberg, p. 325 – 327.
- C-52 Eckart A. Genzel R., Krabbe A., Hofmann R., Tacconi-Garman L.E., Kroker H., Thatte N., & Weitzel L. 1996, *Observational Evidence for a Compact Dark Mass at the Galactic Center*, in proc. of: The ESO/MPA Workshop on: Spiral Galaxies in the Near IR, eds. D. Minniti & H.-W. Rix, Springer: Berlin, Heidelberg, p. 117 – 123.

- C-51 Förster N.M., Böker T., Krabbe A., Thatte N., Kroker H., & Genzel R. 1996, *The nature of nuclear starbursts: M82*, in proc. of: The ESO/MPA Workshop on: Spiral Galaxies in the Near IR, eds. D. Minniti & H.-W. Rix, Springer: Berlin, Heidelberg, p. 328 – 330.
- C-50 Thatte N., Tacconi L.J., Kroker H., Krabbe A., Tacconi-Garman L.E., & Genzel R. 1996, *Near IR and mm Imaging Spectroscopy of the Nuclear Region of NGC 1068*, in proc. of: The ESO/MPA Workshop on: Spiral Galaxies in the Near IR, eds. D. Minniti & H.-W. Rix, Springer: Berlin, Heidelberg, p. 333 – 335.
- C-49 Kroker H., Genzel R., Krabbe A., Tacconi-Garman L.E., Tecza M., & Thatte N. 1996, *NIR Imaging Spectroscopy of F10214: Evidence for a Starburst Around an AGN at  $Z = 2.284$* , in proc. of: The ESO/MPA Workshop on: Spiral Galaxies in the Near IR, eds. D. Minniti & H.-W. Rix, Springer: Berlin, Heidelberg, p.336 – 338.
- 1995
- C-48 Tacconi-Garman L.E., Weitzel L., Cameron M., Drapatz S., Genzel R., Krabbe A., Kroker H., & Thatte N. 1995: *3D: the new near-infrared field imaging spectrometer*, Int. Astron. Union Symp., **167**, 373.
- C-47 Sams III B.J., Genzel R., Krabbe A., & Thatte N. 1995: *Near infrared imaging spectroscopy of the cD galaxy NGC 1275*, in: Astron. Ges., Abstr. Ser., **11**, 77.
- C-46 Poglitsch A., Genzel R., Herrmann F., Krabbe A., Madden S.C., Geis N., Stacey G.J., Townes C.H., & Johansson L.E.B. 1995, *A Multi-Wavelength Study of 30 Doradus: The Interstellar Medium in a Low-Metallicity Galaxy*, in: Astronomical Society of the Pacific, Airborne Astronomy Symposium on the Galactic Ecosystem: From Gas to Stars to Dust, Volume 73, p. 141-148.
- C-45 Krenz T., Geballe T.R., Genzel R., Harris A.I., Krabbe A., Lutz D. & Poglitsch A. 1995, in: The Physics and Chemistry of Interstellar molecular Clouds, Proc. of the 2<sup>th</sup> Zermatt conference, eds. G. Winnewisser & G.C. Pelz, Springer, Heidelberg, Lecture Notes in Physics vol. 459, 1995, p. 322 – 323.
- C-44 Krabbe A., Weitzel L., Kroker H., Tacconi-Garman L.E., Cameron M., Thatte N., Sämann G., Böker T., Genzel R. & Drapatz S., 1995, *3D - A new generation imaging spectrometer*, in: Proc. of SPIE conference on: Infrared Imaging systems, April 95, vol. 2457, Orlando, p. 172 - 183.
- C-43 Thatte N., Kroker H., Weitzel L., Tacconi-Garman L.E., Tecza M., Krabbe A., Genzel R. 1995, *ROGUE - the Rapid Off-axis GUIDer Experiment*, in: Proc. of SPIE conference on: Infrared Imaging systems, April 95, vol. 2457, Orlando, p. 228-235.
- C-42 Genzel R., Eckart A., Drapatz S. & Krabbe A., 1995, *High Resolution Infrared Imaging and Spectroscopy with the VLT: Galactic Nuclei*, in: Proc. of ESO Conference on Science with the VLT, p. 281 - 292.
- C-41 Krabbe A., Sternberg A., Tacconi-Garman L.E. & Genzel R., 1995, *High Resolution Infrared Imaging and Spectroscopy of NGC N1808: Probing the Starburst*, in: Proc. of the 2<sup>th</sup> Zermatt conference '93.
- 1994
- C-40 v.d.Werf P., Cameron M., Genzel R., Blietz M., Krabbe A., Forbes D.A., & Ward M.J. 1994: *Warm and cold gas in galactic nuclei: the near-ir/millimeter connection in NGC 253*, IAU Colloqu, **159**, 461.
- C-39 Blietz M. Cameron M., Drapatz S., Genzel R., Krabbe A., v.d.Werf P., Forbes D.A., & Ward M.J. 1994: *Near-infrared spectroscopic imaging of the starburst galaxies NGC 6240 and NGC 253*, in: International Scientific Spring Meeting of the Astronomische Gesellschaft, p. 234 – 237.
- C-38 Thatte N., Weitzel L., Cameron M., Tacconi-Garman L., Kroker H., Krabbe A. & Genzel R., 1994, *First Results from the 3-D Near Infrared Imaging Array Spectrometer*, proceedings of SPIE conference on: Infrared Imaging systems, April 94, Orlando, Vol. 2224, p. 279 - 286.
- C-37 Lutz D., Genzel R., Krabbe A., Blietz M., Drapatz S., van der Werf P.P., Najarro F. & Hillier D.J., 1994, *Excitation of the Inner PC of the Galactic Center: Results from Near-Infrared Spectroscopy*, Infrared Phys.Technol., **35**, No. 2/3, p. 303 – 309.
- C-36 Sternberg A., Blietz M., Cameron M., Genzel R., Krabbe A., Tacconi L.J., 1994, *Infrared Spectroscopy of IR-luminous Galaxies*, proceedings of the 1. IAC-RGO meeting on: Violent star formation - from 30 Doradus to QSOs, ed. G. Tenorio-Tagle, Cambridge University Press, 263 - 267.

- C-35 Genzel R., Hollenbach, D.J., Townes C.H., Eckart A., Krabbe A., Lutz D. & Najarro F.N., 1994, *Properties and Evolution of the Central Stellar Cluster*, in: *The Nuclei of Normal Galaxies*, eds. R. Genzel & A.I. Harris, Dordrecht: Kluwer Academic, p. 327 - 334.
- C-34 Lutz D., Krabbe A., Genzel R., Blietz M., Drapatz S. & van der Werf P.P., 1994, *The Calactic Center [FeIII] Bubble*, in: *The Nuclei of Normal Galaxies*, eds. R. Genzel & A.I. Harris, Dordrecht: Kluwer Academic, p. 373 - 376.
- C-33 Harris A.I., Krenz T., Genzel R., Krabbe A., Lutz D., Poglitsch A., Townes C.H. & Geballe T.R., 1994, *Spectroscopy of the Galactic Center Arches Region: Evidence for Massive Star Formation*, in: *The Nuclei of Normal Galaxies*, eds. R. Genzel & A.I. Harris, Dordrecht: Kluwer Academic, p. 223 - 230.
- C-32 Najarro F., Hillier D.J., Kudritzki R.P., Krabbe A., Genzel R., Lutz D., Drapatz, S., Geballe T.R., 1994, *The Nature of the GC Hel Emission Line Stars*, in: *The Nuclei of Normal Galaxies*, eds. R. Genzel & A.I. Harris, Dordrecht: Kluwer Academic, p. 317 - 325.
- C-31 Geballe T.R., Genzel R., Krabbe A., Krenz T. & Lutz D., 1994, *Spectra of a remarkable Class of Hot Stars in the Calactic Center*, in: *Proc. of the conference on Infrared Astronomy with Arrays: The Next Generation*, ed. I. S. McLean, Dordrecht: Kluwer, p. 73 - 76.
- C-30 Krabbe A., Sternberg A., Tacconi-Garman L.E. & Genzel R., 1994, *High Resolution Infrared Imaging and Spectroscopy of NGC N1808: Probing the Starburst*, in: *The Nuclei of Normal Galaxies*, eds. R. Genzel & A.I. Harris, Dordrecht: Kluwer Academic, p. 143 - 146.
- C-29 Weitzel L., Cameron M., Drapatz S., Genzel R. & Krabbe A., 1994, *3D: The New MPE Near- Infrared Field Imaging Spectrometer*, in: *Proc. of the conference on Infrared Astronomy with Arrays: The Next Generation*, ed. I. S. McLean, Dordrecht: Kluwer, p. 531 - 532.
- C-28 Weitzel L., Cameron M., Drapatz S., Genzel R. & Krabbe A., 1994, *3D: The new MPE near- infrared field imaging spectrometer*, *Experimental Astronomy*, **3**, 317.
- C-27 Tacconi-Garman L.E., Krabbe A., Sternberg A. & Genzel R., 1994, *High Resolution NIR Imaging of the Starburst Galaxy NGC 1808*, in: *Proc. of the conference on Active Galactic Nuclei Across the Electromagnetic Spectrum*, eds. T.J.-L. Courvoisier & A. Blecha, IAU Symposium No. **159**, Dordrecht: Kluwer, p. 461.
- C-26 Krabbe A., Blietz M., Drapatz S., Eckart A., Genzel R., Hofmann R., Lutz D., Najarro F., Sams B., Tacconi-Garman L. & v.d.Werf P., 1994, *High Resolution Images and Spectroscopy of the Galactic Center*, in: *Proc. of the conference on Infrared Astronomy with Arrays: The Next Generation*, ed. I. S. McLean, Dordrecht: Kluwer, p. 484 – 488.
- 1993
- C-25 Weitzel L., Blietz M., Cameron M., Drapatz S., Genzel R., Krabbe A., & v.d.Werf P., 1993, *High Spatial Resolution NIR Spectroscopic Imaging of the Seyfert Nucleus in NGC 7469*, In: *Proc. on Astronomical Infrared Spectroscopy: Future Observational Directions*, ed. S. Kwok, Astron. Soc. Pac. Conference Series, **41**, 333 - 334.
- C-24 Cameron M., Weitzel L., Krabbe A., Genzel R. & Drapatz S., 1993, *3D: the new MPE near-infrared field imaging spetrometer*, *Bull. Am. Astron. Soc.*, **25**, 1468.
- C-23 Cameron M., Storey J.W.V., Rotaciuc V., Blietz, M., Genzel R., Krabbe A., Verstraete L., van der Werf P., Drapatz S. & Lee T., 1993, *High Resolution 1-20 $\mu$ m Imaging of the Nuclear Environment of NGC 1068*, in: *Proc. Third TetonSummer School on Evolution of Galaxies and their Environment*, eds. D. Hollenbach, J.M. Shull & H. Thronson, NASA Conf. Proc. Series, NASA-CP3190, p. 315-316.
- C-22 v.d.Werf P.P., Cameron M., Genzel R., Blietz M., Krabbe A., Forbes D.A., Ward M.J., 1993, *Warm and Cold Gas in Galactic Nuclei: The Near-IR/Millimeter Connection in NGC 253*, in IAU Coll. 140, "Astronomy with millimeter and Submillimeter Wave Interferometry", eds. M. Ishiquro & W.J. Welch, Astron. Soc. Pac. Conference Series, **59**, p. 306 - 311.
- C-21 Genzel R., Cameron M. & Krabbe A., 1993, *Infrared Spectroscopy and Imaging of Starburst Galaxies and AGNs*, in: *Proc. of the Conf. on The Nearest Active Galaxies*, ed. J. Beckmann, Colina, L., H. Netzer, Consejo Superior de Investigaciones Cientificas, Madrid, p. 17 - 32.
- C-20 Genzel R., Cameron M. & Krabbe A., 1993, *Infrared Spectroscopy and Imaging of Starburst Galaxies and AGNs*, *Astrophys. and Space Sci.*, **205**, 17 - 23.

- C-19 Tacconi-Garman L.E., Drapatz S., Eckart A., Genzel R., Hofmann R.E., Krabbe A., Rotaciuc V., Sams B., Sternberg A., 1993, *SHARP and FAST Observations of NGC 1808*, EIPC Workshop on Star Forming Galaxies and Their Interstellar Medium, eds. J. Franco, F. Ferrini, G. Tenorio-Tagle, Cambridge Univ. Press, Cambridge, p. 41 - 43.
- C-18 Blietz M., Cameron M., Drapatz S., Genzel R., Krabbe A. & van der Werf P., 1993, *High spatial resolution NIR spectroscopic imaging of the starburst galaxies NGC 6240 and NGC 253*, Astron. Ges. Abstract Series, **8**, 52.
- C-17 van der Werf P.P., Madden S.C., Poglitsch A., Genzel R., Krabbe A., Geis N. & Stacy G.J., 1993, *The interaction of stars and gas in M83: A multiwavelength view of the disk, the spiral arms and the nucleus*, Astron. Ges. Abstract Series, **8**, 68.
- 1992
- C-16 Cameron M., Storey J.W.V., Rotaciuc V., Genzel R., Drapatz S., Krabbe A., Verstraete L. & Lee T., 1992, *MIRACLE - the MPE/ROE Mid-Infrared Camera*, in ESO Conference on Progress in Telescope and Instrumentation Technologies, ed. M. H. Ulrich, ESO conference proc. No. 42, Garching, p. 705 - 708.
- C-15 Blietz M., Genzel R., Drapatz S., Krabbe A. & van der Werf P., 1992, *High spatial spectroscopic imaging of the circum - nuclear region of the Seyfert 2 galaxy NGC 1068*, Astron. Ges. Abstract Series, **7**, 163.
- C-14 Krabbe A., Rotaciuc V., Drapatz S., Genzel R. & Storey J., 1992, *High Spatial Resolution NIR Imaging Spectroscopy: NGC1068, NGC1808, and the LMC/30Dor Complex*, in "Physics of Active Galactic Nuclei", ed. W. Duschl and S. Wagner, Springer, Heidelberg, p. 300 - 306.
- C-13 Hofmann R., Blietz M., Duhoux Ph., Eckart A., Krabbe A. & Rotaciuc V., 1992, *SHARP and FAST: NIR Speckle and Spectroscopy at MPE*, in "ESO Conference on Progress in Telescope and Instrumentation Technologies", ed. M. H. Ulrich, ESO conference proc. No. 42, Garching, p. 617 - 620.
- C-12 Genzel R., Krabbe A., Drapatz S. & Rotaciuc V., 1992, *A Cluster of HeI Emission Line Stars in the Galactic Center*, in "Active Galactic Nuclei", ed. W. Duschl and S. Wagner, Springer, Heidelberg, p. 369 - 374.
- 1991
- C-11 Krabbe A., Rotaciuc V., Drapatz S. & Genzel R., 1991, *Line Observations of NGC1068, NGC1808, and other Southern Galaxies with FAST, the MPE NIR Fabry-Perot Imaging Spectrometer*, proceed. IAU No. **146**, "Dynamics of Galaxies and Molecular Clouds Distribution", eds. F. Combes and F. Casoli, Kluwer, Dordrecht, p. 310.
- C-10 Krabbe A., Storey J., Rotaciuc V., Drapatz S., & Genzel R., 1991, *Line Observations of the 30Dor Complex and N159A5 with the MPE Imaging NIR Spectrometer FAST*, in Proc. The Magellanic Clouds, IAU Symp. No. 148, eds. R. Haynes & D. Milne, Kluwer, Dordrecht, p. 205 - 206.
- C-09 Clegg R., Ward M., Blietz M., Cameron M., Drapatz S., Genzel R., Krabbe A., Rotaciuc V. & van der Werf P., 1991, *FAST on the WHT*, GEMINI Newsletter Royal Greenwich Obs., **34**, 1 - 4.
- C-08 Krabbe A., Rotaciuc V., Drapatz S., Genzel R., Storey J., Hofmann R. & Cameron M., 1991, *First Results with the MPE Near-Infrared 62x58 Array Fabry-Perot Spectrometer*, in "Astrophysics with Infrared Arrays", ed. Richard Elston, ASP Conf. Series, **14**, p. 333 -335.
- 1989
- C-07 Drapatz S., Hofmann R., Krabbe A., Wu Zh. & Zinnecker H., 1989, *First Results of the MPE Near Infrared Camera*, Astron. Gesell. Abstract Series, **3**, 37.
- C-06 Krabbe A., Lenzen R. & Weil S., 1987, *Ein Infrarotgitterspectrograph mit Detektorzeile für das Observatorium auf dem Calar Alto*, Mitt. d. Aston. Ges., **68**, 109 - 115.
- C-05 Krabbe A., Lenzen R. & Weil S., 1987, *A new IR - Grating Spectrograph for the Calar Alto Observatory*, in: "Infrared Astronomy with Arrays", Proceed. of the workshop on ground-based astronomical observations with infrared array detectors, eds. C.G. Wynn-Williams, E.E. Becklin & L.H. Good, University of Hawaii, Hilo, p. 393 - 397.



- C-04 Martin W., Lemke D., Bauer H., Bellemann H. & Krabbe A., 1985, *Das Photopolarimeter im Infrarot-Weltraumteleskop GIRL, Mechanische und elektrische Komponenten für das Kryovakuum*, Bundesministerium für Forschung und Technologie, Forschungsbericht W 85-026, Luft- und Raumfahrt, - Weltraumforschung /Weltraumtechnologie-.
- C-03 Krabbe A., Haussecker K., Lemke D. & Proetel D., 1982, *An improved chopping secondary design*, Proc. of the Second ESO infrared workshop, eds. A.F.M. Moorwood, K. Kjær, ESO Garching, p. 169 - 172.
- C-02 Krabbe A., Haussecker K., Lemke D. & Proetel D., 1981, *Der Sekundärspiegelchopper für GIRL*, Mitt. d. Astr. Ges., **54**, 163 - 166.
- C-01 Krabbe A., 1980, *Die Galileischen Satelliten*, in: "Jupiter", eds. H. Fechtig, C. Leinert & G. Morfill, MPI-Kernphysik, Heidelberg, p.73 – 88.

## 5. Contibuted Scientific Talks

- 2017: *The Circum Nuclear Disk around Sgr A\*: Observations with FIFI-LS*, Ringberg SOFIA Conference, Ringberg, March 2017
- 2016: *The Circum Nuclear Disk around Sgr A\*: Observations with FIFI-LS*, Asilomar SOFIA Conference, Asilomar October 2016
- 2015: *Far-Infrared Imaging Spectroscopy of Local Star-Forming Galaxies with FIFI-LS on SOFIA*, in Zermatt Conference Sept. 2015; Authors: A. Krabbe, S. Beckmann, A. Bryant, S. Colditz, C. Fischer, F. Fumi, N. Geis, T. Henning, R. Hönlle, C. Iserlohe, R. Klein, L. W. Looney, S. Madden, A. Poglitsch, W. Raab, F. Rebell, W. Vacca
- 2014: *Commissioning and first science results of FIFI-LS*, paper #17 in SPIE Conference 9147 on *Ground-based and Airborne Instrumentation for Astronomy V, Montreal, 22.06.2014*; Authors: A. Krabbe, N. Geis, T.F.E. Henning, R. Klein, L. W. Looney, A. Poglitsch, S. Beckmann, A. Bryant, S. Colditz, C. Fischer, F. Fumi, R. Hönlle, W. Raab, F. Rebell, M.L. Savage
- 2011: *FIFI LS A German First Generation Instrument for SOFIA*, in Splinter Meeting on SOFIA First Science, AG Conference, Heidelberg, Sept. 2011
- 2011: *SOFIA Proposals & Procedures*, in Splinter Meeting on SOFIA First Science, AG Conference, Heidelberg, Sept. 2011
- 2009: *The German Side of SOFIA*, AG Herbsttagung, Potsdam, September 2009
- 2006: *SOFIA – A telescope for Harsh Environments*, I. ARENA Conference on Large Astronomical Infrastructure at the Concordia Station, Roscoff, Oktober 2006, together with H. Kärcher
- 2006: *SgrA\* Flare Observations with OSIRIS, the new Keck NIR AO Imaging Spectrograph*, Galactic Center Workshop, Bad Honnef, April 2006
- 2002: *Becoming reality: The SOFIA Telescope*, SPIE, Hawaii
- 2001: *The SOFIA Telescope*, SPIE conference 4486 on Infrared Spaceborne Remote Sensing IX, San Diego, August 01
- 2001: *The Mid-Infrared – X-ray Correlation of Seyfert Galaxies*, Conference on: Issues in Unification of AGNs, Elba, Italy, May 01
- 2000: *The SOFIA Telescope*, SPIE conference 4014 on Airborne Telescope Systems, Munich March 00
- 1999: *LISA A low Resolution Imaging Spectrometer for SOFIA*, Conference: Imaging the Universe in Three Dimensions, Walnut Creek, March 99
- 1997: *Astronomical research with SOFIA at the DLR Institute of Space Sensor technology*, SOFIA Workshop, Berlin, June 97

- 1996: *The Evolution of the Central Stellar Cluster: Starburst and Stellar Collisions*, 4th ESO/CTIO Workshop: The Galactic Center, La Serena, Chile, March 96
- 1995: *The Central 0.5 pc of our Galaxy: New Evidence for Star Formation and a Dark Central Mass*, Annual Meeting of the Astronomische Gesellschaft, Bonn, Sept. 95
- 1995: *3D - A new Generation Imaging Spectrometer*, The International Society for Optical Engineering Conference: Infrared Imaging Systems, Orlando/Fla., April 95
- 1993: *High Resolution Infrared Imaging and Spectroscopy of NGC N1808: Probing the Starburst*, 2<sup>th</sup> Zermatt conference, Zermatt, Sept. 93
- 1993: *Near Infrared Imaging Spectroscopy of Galactic Nuclei*, Jahrestagung der Astronomischen Gesellschaft, Jena, Sept. 93
- 1993: *High Resolution Infrared Imaging and Spectroscopy of NGC N1808: Probing the Starburst*, NATO Advanced Research Workshop on: The Nuclei of Normal Galaxies, Schloß Ringberg, Kreuth, July 93
- 1993: *High Resolution Images and Spectroscopy of the Galactic Center*, Conference on Infrared Astronomy with Arrays: The Next Generation, Los Angeles, July 93
- 1993: *High Resolution Images and Spectroscopy of the Galactic Center*, NATO Advanced Research Workshop on: The Nuclei of Normal Galaxies, Schloß Ringberg, Kreuth, July 93,
- 1991: *High Spatial Resolution NIR Imaging Spectroscopy: NGC1068, NGC1808, and the LMC/30Dor Complex*, Conference on „Physics of Active Galactic Nuclei“, Heidelberg, June 91
- 1991: *Line Observations of NGC1068, NGC1808, and other Southern Galaxies with FAST, the MPE NIR Fabry-Perot Imaging Spectrometer*, Symposium No. 146 of the Interational Astronomical Union on „Dynamics of Galaxies and Molecular Clouds Distribution“, Paris
- 1990: *Line Observations of the 30Dor Complex and N159A5 with the MPE Imaging NIR Spectrometer FAST*, Symposium No. 148 of the Interational Astronomical Union on „The Magellanic Clouds“, Sydney
- 1987: *A new IR - Grating Spectrograph for the Calar Alto Observatory*, Workshop on ground-based astronomical observations with infrared array detectors, Hilo, Hawaii
- 1987: *Ein Infrarotgitterspektrograph mit Detektorzeile für das Observatorium auf dem Calar Alto*, Jahrestagung der Astronomischen Gesellschaft, Oberkochen
- 1982: *An improved chopping secondary design*, Second ESO infrared workshop, ESO Garching
- 1981: *Der Sekundärspiegelchopper für GIRL*, Tagung der Astron. Gesellschaft, Oberkochen

## 6. Popular Science Publications

- Krabbe A. 2014, *How do stars and planetary systems form?*, original: *Hoe worden sterren en planetenstelsels gevormd?*, Sophie, ISSN 2211-4408, Jaargang 4, nummer 4, pp.12 -15, Access:[http://www.sophieonline.nl/index.php?option=com\\_content&view=category&layout=blog&id=227&Itemid=291](http://www.sophieonline.nl/index.php?option=com_content&view=category&layout=blog&id=227&Itemid=291)
- Krabbe A., Titz R. & Röser H.-P. 1999, *Warum Astronomen in die Luft gehen*, Sterne und Weltraum, **38**, 1052 - 1063
- Krabbe A., 1999, *Warum es nachts dunkel ist: Eine Studie zum Olbers Paradoxon*, in: Kosmologie, ed. A. Krabbe & W. Valet, Marburg: Franke-Verlag, ISBN 3861227533
- Krabbe A., 1985, *Neues von GEMINGA*, Sterne und Weltraum, **24**, 7
- Krabbe A., 1984, *Neues mm-Wellen-Teleskop auf Hawaii*, Sterne und Weltraum, **23**, 7
- Krabbe A., 1984, *Herkules X-1 schweigt*, Sterne und Weltraum, **23**, 9
- Krabbe A., 1984, *Komet oder Asteroid?*, Sterne und Weltraum, **23**, 120
- Krabbe A., 1984, *Die Geminga - Story*, Sterne und Weltraum, **23**, 566 - 567

Krabbe A., 1982, *Jet-Stern in Sonnennähe*, Sterne und Weltraum, **21**, 283

## 8. Books & Media

- 2023 N. Pailer und A. Krabbe 2023, *Der vermessene Kosmos*, Hänssler-Verlag, 3<sup>rd</sup> Edition
- 2022 A. Krabbe, H. M. Niemann, T. von Woedtke (Hrg) 2020: *Künstliche Intelligenz – Macht der Maschinen und Algorithmen zwischen Utopie und Realität*, Evangelische Verlagsanstalt Leipzig, ISBN Print 978-3-374-07115-9 // eISBN (PDF) 978-3-374-07116-6
- 2016 N. Pailer und A. Krabbe 2016, *Der vermessene Kosmos*, Hänssler-Verlag, 2<sup>nd</sup> Edition
- 2014 M. Heimbucher, A. Krabbe, M. Quilisch (Hrg.) 2014, *Wie auch wie vergeben unseren Schuldern: Geld – Glaube – Zukunft*, Evangelische Verlagsanstalt Leipzig, ISBN 978-3-374-03908-1
- 2006 N. Pailer und A. Krabbe 2006, *Der vermessene Kosmos*, Hänssler-Verlag, ISBN 3-7751-4488-9
- 2001 A. Krabbe und W. Valet (editors) 2001, *Kosmologie*, Franke Verlag, Marburg, ISBN 386122753

## 8. Popular Science Talks

- 2021 *SOFIA, Stratosphären Observatorium für Infrarot Astronomie*, Teletalk BMWI 16.12.2021  
*Sind wir allein? Auf der Suche nach lebensfreundlichen Exoplaneten*, Hospitalhof Stuttgart 07.12.21  
*Exoplaneten, die Suche nach der zweiten Erde*, Lions Club, Köln, 07.09.2021  
*SOFIA*, Teletalk, Haus der Astronomie Heidelberg, M. Pössel, 22.02.2021
- 2019 *Flugzeug-Astronomie und die Suche nach außerirdischem Leben*, M. Donath, Münster, 21.11.2019  
*Exoplaneten – Auf der Suche nach der zweiten Erde*, Lehrerfortbildung, Würzburg, 02.10.2019  
*Exploring the Universe – How unique is the Earth?*, Waidhofen, Österreich, 31.05.2019
- 2018 *Blick ins Weltall, Ist die Erde einzigartig?*, Deutscher Christlicher Techniker-Bund e.V., Korntal, 23.11.2018  
*SOFIA and its Science*, Maybeck Highschool, Berkeley, CA, 02.11.2018  
*Exoplaneten, Die Suche nach einer zweiten Erde*, Institute for Faith and Science, Mannheim, 03.02.2018
- 2017 *Mit SOFIA in die Steilkurve*, Staatliches Museum für Naturkunde Stuttgart, Science Pub, Stuttgart Rosenau, 04.12.2017  
*Exoplaneten: Ist die Erde einzigartig?*, WW Physik/Kosmologie Konferenz, Neustadt 01.12.2017  
*Mit SOFIA durch das Infrarotuniversum*, MPA Mitarbeiter, Stuttgart, 28.09.2017  
*SOFIA Das Observatorium*, Sternfreunde in Sachsen, Werdau, 17.04.2017
- 2016 *In den Weiten des Universums – Zum Stand der astrophysikalischen Forschung*, Evangelische Akademie Rheinland, 27.11.2016  
*Mit SOFIA durch die Galaxis – Beobachtungen mit FIFI – LS*, Haus der Astronomie, Lehrerworkshop, Heidelberg, 10.11.2016  
*Exoplaneten – Auf der Suche nach außerirdischem Leben*, Evangelische Arbeitsgruppe Wiesbaden, 30.10.2016  
*Far Infrared Science beyond Herschel – FIFI-LS & GREAT on SOFIA*, SGAP Workshop, Stuttgart, 07.06.2016

- 2015 *Exoplaneten – Auf der Suche nach außerirdischem Leben*, Evangelische Gemeinde, Coburg, 21.11.2015  
*Erste Astronomische Beobachtungen mit FIFI-LS auf SOFIA*, Astronomischer Arbeitskreis, Stuttgart 26.06.2015  
*Abgehoben – Wie Astronomen fliegen lernten*, H.-P. Röser Kolloquium, Stuttgart, 20.02.2015
- 2014 *SOFIA – Das Teleskop im Jumbo*, Astronomische Vereinigung Karlsruhe, Karlsruhe, 12.05.2014
- 2013 *Exoplaneten - Die Suche nach der zweiten Erde*, Evang. Friedenskirche Erfstadt, 29.11.2013  
*SOFIA – Das Teleskop im Jumbo*, Sternfreunde Rüsselsheim, Rüsselsheim, 18.10.2013  
*Exoplaneten – Die Suche nach der 2. Erde*, CVJM Gronau, 22.02.2013
- 2012 *SOFIA – Die fliegende Sternwarte für Infrarotastronomie*, Wissenschaftsforum Rathaus, Rathaus Stuttgart, 20.11.2012  
*SOFIA: Die Flugzeugsternwarte für die Infrarotastronomie*, Hochbegabtenforderung der Uni Heidelberg, Stuttgart, RZBW, 10.05.2012  
*SOFIA: erste wissenschaftliche Ergebnisse*, Astronomisches Seminar am Planetarium Stuttgart, 30.03.2012
- 2011 *Das Stratosphärenobservatorium SOFIA*, MT-Mechatronic Jubiläum, Mainz, 13.12.2011  
*Infrarot Astronomie: Ein tiefer Blick ins All*, Kinderuniversität Weil der Stadt, 24.11.2011  
*SOFIA Eine Flugzeugsternwarte für Infrarotastronomie mit Bildungsprogramm für Schulen*, Lehrerfortbildung, Würzburg, 29.09.2011  
*SOFIA Das Teleskop im Jumbo*, Planetarium Mannheim, 18.03.2011  
*Wissenschaft mit SOFIA*, MPIA Heidelberg, Fortbildung SOFIA Partnerschulen, 22.02.2011
- 2010 *Das Stratosphären Observatorium SOFIA auf dem Weg zu den Sternen*, Weil der Stadt, 21.10.2010  
*Das Stratosphären Observatorium SOFIA*, Tag der Wissenschaft, Universität Stuttgart, 26.06.2010  
*Exoplaneten – Die Suche nach einer zweiten Erde*, Tag der Wissenschaft, Universität Stuttgart, 26.06.2010  
*Das Stratosphären Observatorium SOFIA auf dem Weg zu den Sternen*, Arbeitskreis Astronomie, Universität Stuttgart, 16. 06. 2010
- 2009 *Exoplaneten - Die Suche nach fernen Erden*, Planetarium Stuttgart, 19.11.2009  
*Warum gehen Astronomen in die Luft, SOFIA eine fliegende Sternwarte*, HIN Jugendkolleg, Audi Neckarsulm, 29. 10. 2009
- 2007 *Vom Anfang der Welt, Schöpfung und Evolution*, CVJM Gronau/W, 16. 11. 2007  
*Das Verhältnis von Christlichem Glauben und Naturwissenschaft am Beispiel Anfang der Welt*, Wingolf Verbindung, Köln, 25. 10. 2007  
*Vom Anfang der Welt, Schöpfung und Evolution*, CJD Tagung, Elfershausen, 2.10. 2007  
*Im Anfang – Wie die Welt entstand, Schöpfung und Evolution*, Erwachsenenbildung Porta Westfalica, 31. 1. 2007  
*Ein Telesko im Jumbo: Das Stratosphären-Observatorium SOFIA*, Sternfreunde Nordenham, 20. 2. 2007
- 2006 *Ein Telesko im Jumbo: Das Stratosphären-Observatorium SOFIA*, Planetarium Wolfsburg, 19. 1. 2006  
*Der Stern von Bethlehem*, WW Physik/Kosmologie Konferenz, November 2006
- 2005 *Direkte Entfernungsbestimmungen im Weltraum*, WW Physik/Kosmologie Konferenz, Oktober 2005

1998 *Infrarotastronomie: Die Erforschung des dunklen und kalten Weltalls*, Wilhelm-Förster-Sternwarte, Berlin, April 1998

*Astronomie mit SOFIA*, Workshop zum SOFIA Bildungs- und Öffentlichkeitsprogramm, Berlin, Jan. 1998

1990 – 1997

*Die Nachtdunkelheit: Das Olbers Paradox*

*Fraktale Struktur von kosmischen Molekülwolken*

*Christlicher Glaube und moderne Physik (3x)*

*Der Stern von Bethlehem aus astronomischer Sicht (6x)*