

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., Kazmierczak-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.cosparathens2022.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., Eisloffel 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., Eisloffel 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., Ångerman M., Barnstedt J., Bougueroua S., Colin A., Conti L., Diebold S., Duffard R., Embergera M., Hanke L., Kalkuhl C., Kappelmann 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, 44th 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](#)
- C-153 Encalada F., Looney L., Klein R. Fischer C., Colditz S., Fadda D., Geis N., Hönle R., Iserlohe C., [Krabbe A.](#), Poglitsch A., RaabW., 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 modified 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., Mehlert D. 2010, *SOFIA – Getting Ready for First Light*, in: Workshop on Infrared Emission ISM, and Star Formation, MPIA Heidelberg Germany, 22. – 24. 02. 2010, 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

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. Wel Drake, 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, Institute 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., Barczyz 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., Barczyz 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 μ 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 2th 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 2th 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 [FeII] 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 HeI 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 μ m Imaging of the Nuclear Environment of NGC 1068*, in: Proc. Third Teton Summer 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 Hel 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.