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- Panesar, N. K., Zhukov, A., Berghmans, D., et al., “The Magnetic Origin of Solar Campfires: Observations by Solar Orbiter and SDO”, 2022cosp...44.2564P ADS
- Taylor, M., Dunlop, M., Nakamura, R., et al., “Forming a band with the Solar Orbiter Earth fly - a multi-mission perspective from the ESA Heliophysics Orchestra supported by the NASA Heliophysics System Observatory”, 2022cosp...44.1647T ADS
- de Groof, A., Müller, D., Zouganelis, Y., Walsh, A., & Williams, D., “Solar Orbiter’s first close encounter with the Sun: preparation of the coordinated science campaigns”, 2022cosp...44.1537D ADS
- Müller, D., Nieves-Chinchilla, T., Zouganelis, Y., & Lario, D., “Solar Orbiter: Here comes the Sun”, 2022cosp...44.1044M ADS
- Rubin, M., Combi, M., Gombosi, T., et al., “Refractory species in the neutral gas coma of comet 67P/Churyumov-Gerasimenko”, 2022cosp...44.265R ADS
- Lemos, N. A., Müller, D., & Rebouças, M. J., “Probing spatial orientability of a Friedmann-Robertson-Walker spatially flat spacetime”, 2022PhRvD.106b3528L ADS
- Park, N., Allison, P., Beatty, J. J., et al., “Cosmic-ray isotope measurements with HELIX”, 2022icrc.confE.91P ADS
- Rubin, M., Altwegg, K., Berthelier, J.-J., et al., “Refractory elements in the gas phase for comet 67P/Churyumov-Gerasimenko. Possible release of atomic Na, Si, and Fe from nanograins”, 2022A&A...658A..87R ADS
- D’Amicis, R., Bruno, R., Panasenco, O., et al., “First Solar Orbiter observation of an Alfvénic slow wind stream”, 2021AGUFM21A..10D ADS
- Müller, D., Zouganelis, Y., Nieves-Chinchilla, T., & Lario, D., “Solar Orbiter: Starting the Nominal Mission Phase”, 2021AGUFM21A..01M ADS
- Maksimovic, M., Souček, J., Chust, T., et al., “First observations and performance of the RPW instrument on board the Solar Orbiter mission”, 2021A&A...656A..41M ADS
- Matteini, L., Laker, R., Horbury, T., et al., “Solar Orbiter’s encounter with the tail of comet C/2019 Y4 (ATLAS): Magnetic field draping and cometary pickup ion waves”, 2021A&A...656A..39M ADS
- Fludra, A., Caldwell, M., Giunta, A., et al., “First observations from the SPICE EUV spectrometer on Solar Orbiter”, 2021A&A...656A..38F ADS
- D’Amicis, R., Bruno, R., Panasenco, O., et al., “First Solar Orbiter observation of the Alfvénic slow wind and identification of its solar source”, 2021A&A...656A..21D ADS
- Telloni, D., Scolini, C., Möstl, C., et al., “Study of two interacting interplanetary coronal mass ejections encountered by Solar Orbiter during its first perihelion passage. Observations and modeling”, 2021A&A...656A...5T ADS
- Panesar, N. K., Tiwari, S. K., Berghmans, D., et al., “The Magnetic Origin of Solar Campfires”, 2021ApJ...921L..20P ADS
- LHCb Collaboration, Aaij, R., Abellán Beteta, C., et al., “Search for the doubly charmed baryon Ω_{cc} ”, 2021SCPMA..6401062L ADS
- Hadid, L. Z., Génot, V., Aizawa, S., et al., “BepiColombo’s cruise phase: unique opportunity for synergistic observations”, 2021FrASS...8..154H ADS
- Hänni, N., Altwegg, K., Müller, D., et al., “The cometary matter between volatiles and macromolecules”, 2021EPSC...15..681H ADS
- Müller, D. & Toporensky, A., “Static cosmological solutions in quadratic gravity”, 2021GrGr...53...60M ADS
- Horbury, T. S., Laker, R., Rodríguez, L., et al., “Signatures of coronal hole substructure in the solar wind: combined Solar Orbiter remote sensing and in situ measurements”, 2021arXiv210414960H ADS
- Müller, D., Zouganelis, Y., Nieves-Chinchilla, T., & St. Cyr, C., “The Solar Orbiter mission - Exploring the Sun and heliosphere”, 2021EGUGA..23.2981M ADS
- Hänni, N., Altwegg, K., Müller, D., et al., “Analyzing 67P’s dusty coma”, 2021EGUGA..23.1719H ADS
- de Medeiros, W. P. F. & Müller, D., “On the order reduction”, 2021EPJC...81..231D ADS
- García Marirrodriga, C., Pacros, A., Strandmoe, S., et al., “Solar Orbiter: Mission and spacecraft design”, 2021A&A...646A.121G ADS
- Horbury, T. S., Auchere, F., Antonucci, E., et al., “Solar Orbiter: connecting remote sensing and in situ measurements”, 2020AGUFM2038..10H ADS
- Zambrana Prado, N., Buchlin, E., Peter, H., et al., “Relative coronal abundance diagnostics with Solar Orbiter/SPICE”, 2020AGUFM2038..09Z ADS
- Peter, H., Aznar Cuadrado, R., Schühle, U., et al., “Dynamics and thermal structure in the quiet Sun seen by SPICE”, 2020AGUFM2038..03P ADS
- Fludra, A., Caldwell, M., Giunta, A. S., et al., “First Results From SPICE EUV Spectrometer on Solar Orbiter”, 2020AGUFM2038..02F ADS
- Thompson, W. T., Schühle, U., Young, P. R., et al., “Calibrating optical distortions in the Solar Orbiter SPICE spectrograph”, 2020AGUFM20360029T ADS
- Buchlin, E., Teriaca, L., Giunta, A. S., et al., “First results from the EUI and SPICE observations of Alpha Leo near Solar Orbiter first perihelion”, 2020AGUFM20360024B ADS
- Teriaca, L., Aznar Cuadrado, R., Giunta, A. S., et al., “First results from combined EUI and SPICE observations of Lyman lines of Hydrogen and He II”, 2020AGUFM20360003T ADS
- Müller, D., Nicula, B., Verstringe, F., et al., “3D Visualisation of Solar Data with JHelioviewer”, 2020AGUFM20360001M ADS
- Zouganelis, Y., Müller, D., Zouganelis, Y., et al., “The Solar Orbiter Mission - On its way to explore the Sun and heliosphere”, 2020AGUFM2035..01Z ADS
- Sirunyan, A. M., Tumasyan, A., Adam, W., et al., “Evidence for Top Quark Production in Nucleus-Nucleus Collisions”, 2020PhRvL.125v2001S ADS
- de Medeiros, W. P. F., de Lima, R. R., de Andrade, V. C., & Müller, D., “The divergence and curl in arbitrary basis”, 2020arXiv201004267D ADS
- SPICE Consortium, Anderson, M., Appourchaux, T., et al., “The Solar Orbiter SPICE instrument. An extreme UV imaging spectrometer”, 2020A&A...642A..14S ADS
- Solanki, S. K., del Toro Iniesta, J. C., Woch, J., et al., “The Polarimetric and Helioseismic Imager on Solar Orbiter”, 2020A&A...642A..11S ADS
- Horbury, T. S., O’Brien, H., Carrasco Blazquez, I., et al., “The Solar Orbiter magnetometer”, 2020A&A...642A..9H ADS
- Auchère, F., Andretta, V., Antonucci, E., et al., “Coordination within the remote sensing payload on the Solar Orbiter mission”, 2020A&A...642A..6A ADS
- Walsh, A. P., Horbury, T. S., Maksimovic, M., et al., “Coordination of the in situ payload of Solar Orbiter”, 2020A&A...642A..5W ADS
- Velli, M., Harra, L. K., Vourlidis, A., et al., “Understanding the origins of the heliosphere: integrating observations and measurements from Parker Solar Probe, Solar Orbiter, and other space- and ground-based observatories”, 2020A&A...642A..4V ADS
- Zouganelis, I., De Groof, A., Walsh, A. P., et al., “The Solar Orbiter Science Activity Plan. Translating solar and heliospheric physics questions into action”, 2020A&A...642A..3Z ADS
- Rouillard, A. P., Pinto, R. F., Vourlidis, A., et al., “Models and data analysis tools for the Solar Orbiter mission”, 2020A&A...642A..2R ADS
- Müller, D., St. Cyr, O. C., Zouganelis, I., et al., “The Solar Orbiter mission. Science overview”, 2020A&A...642A..1M ADS
- Mishra, S. S., Müller, D., & Toporensky, A. V., “Generality of Starobinsky and Higgs inflation in the Jordan frame”, 2020PhRvD.102f3523M ADS
- Zouganelis, Y., Müller, D., St. Cyr, C., Gilbert, H., & Nieves-Chinchilla, T., “Solar Orbiter: Europe’s mission to the Sun”, 2020EGUGA..222164Z ADS
- Hadid, L., Dosa, M., Akos, M., et al., “BepiColombo and Solar Orbiter coordinated observations: scientific cases and measurements opportunities”, 2020EGUGA..2217957H ADS
- Aaij, R., Abellán Beteta, C., Ackernley, T., et al., “Search for the doubly charmed baryon Ξ_{cc}^+ ”, 2020SCPMA..6321062A ADS
- Müller, D., Zouganelis, I., St. Cyr, O. C., Gilbert, H. R., & Nieves-Chinchilla, T., “Europe’s next mission to the Sun”, 2020NatAs...4..205M ADS
- LHCb Collaboration, Aaij, R., Abellán Beteta, C., et al., “Search for the doubly charmed baryon Ξ_{cc}^+ ”, 2020SCPMA..6321062L ADS
- Hassler, D., Auchere, F., Carlsson, M., et al., “The SPICE (Spectral Imaging of the Coronal Environment) Ultraviolet Imaging Spectrograph Investigation”, 2019AGUFM2024A..02H ADS
- Müller, D., St. Cyr, O. C., Zouganelis, Y., Gilbert, H. R., & Nieves-Chinchilla, T., “The Solar Orbiter Mission - Getting Ready for Launch”, 2019AGUFM2024A..01M ADS
- Zouganelis, Y., Müller, D., De Groof, A., Walsh, A. P., & Williams, D., “Solar Orbiter’s Science Activity Plan: Translating Questions into Action”, 2019AGUFM2021D3315Z ADS
- Müller, D., Solanki, S. K., & del Toro Iniesta, J. C., “The Polarimetric and Helioseismic Imager on Solar Orbiter”, 2019AGUFM2021D3292M ADS
- Maturana-Espinoza, J. C., García-Ortiz, J. P., Müller, D., & Gonzalez-Ruiz, V., “Layer Selection in Progressive Transmission of Motion-Compensated JPEG2000 Video”, 2019Elect...8.1032M ADS
- Wakely, S., Schael, S., Bay, A., et al., “The Next Generation Magnetic Spectrometer in Space: An International Science Platform for Physics and Astrophysics at Lagrange Point 2”, 2019BAAS...51g.172W ADS
- Allison, P., Beatty, J., Beaufore, L., et al., “Production of Silica Aerogel Radiator Tiles for the HELIX RICH Detector”, 2019ICRC...36..139A ADS
- Allison, P., Beatty, J., Beaufore, L., et al., “Calibration of the Aerogel Tiles for the HELIX RICH”, 2019ICRC...36..133A ADS
- Park, N., Beaufore, L., Mbarek, R., et al., “Cosmic-ray Isotope Measurements with HELIX”, 2019ICRC...36..121P ADS
- Pursiainen, M., Castro, et al., “ePESSTO Transient Classification Report for 2018-12-03”, 2018TNSCR2051...1P ADS
- West, M., Berghmans, D., Müller, D., et al., “Space Weather JHelioviewer in a Heterogeneous World”, 2018cosp...42E3643W ADS

- Cortésao, M., Hellweg, C., Hemmersbach, R., et al., “Biofilm in Space (BFS): designing a spaceflight experiment”, 2018cosp...42E.702C ADS
- Jacquemond, I., Mugge, A., Lamblin, G., et al., “Complex ecological interactions of *Staphylococcus aureus* in tampons during menstruation”, 2018NatSR...8.9942J ADS
- Skarka, M., Masek, M., Brat, L., et al., “VizieR Online Data Catalog: The Czech Variable Star Catalogue (Skarka+, 2017)”, 2018yCatp043018500S ADS
- Ireland, J., Zahniy, S., Müller, D., et al., “Understanding the usage of the Helioviewer Project clients and services”, 2018tess.conf30286I ADS
- Müller, D., Ricciardone, A., Starobinsky, A. A., & Toporenky, A., “Anisotropic cosmological solutions in $R + R^2$ gravity”, 2018EPJC...78...311M ADS
- Müller, D., Zouganelis, Y., St. Cyr, C., & Gilbert, H., “Solar Orbiter Mission Status Update”, 2018EGUGA...2014217M ADS
- Aschwanden, M. J., Scholkmann, F., Béthune, W., et al., “Order out of Randomness: Self-Organization Processes in Astrophysics”, 2018SSRv...214...55A ADS
- Ireland, J., Zahniy, S., Müller, D., et al., “Understanding the usage of the Helioviewer Project clients and services”, 2017AGUFM5H51C2507I ADS
- Müller, D., Nicula, B., Felix, S., et al., “3D Visualization of Solar Data: Preparing for Solar Orbiter and Parker Solar Probe”, 2017AGUFM5H23D2686M ADS
- Müller, D., Zouganelis, Y., St Cyr, O. C., & Gilbert, H. R., “ESA’s Solar Orbiter Mission Status Update”, 2017AGUFM5H21C...03M ADS
- Müller, D., Nicula, B., Felix, S., et al., “JHelioviewer: Time-dependent 3D visualisation of solar and heliospheric data”, 2017A&A...606A...10M ADS
- Gilbert, H., St. Cyr, O. C., Müller, D., Zouganelis, Y., & Velli, M., “Solar Orbiter Status Report”, 2017SPD...4811004G ADS
- Gilbert, H., Cyr, C. S., Müller, D., Zouganelis, Y., & Velli, M., “Solar Orbiter Status Report”, 2017shin.confE.139G ADS
- Ipp, A. & Müller, D., “Rapidity profiles from 3+1D Glasma simulations with finite longitudinal thickness”, 2017hep.confE.176I ADS
- Fischer, C. E., Müller, D., & De Moortel, I., “JPEG2000 Image Compression on Solar EUV Images”, 2017SoPh...292...16F ADS
- Coutu, S., Beatty, J., Gebhard, M., et al., “Cosmic-ray isotope measurements with HELIX”, 2017ICRC...35...226C ADS
- Toporenky, A. & Müller, D., “On stability of the Kasner solution in quadratic gravity”, 2017GrGr...49...8T ADS
- Zouganelis, Y., Müller, D., St Cyr, O. C., & Gilbert, H. R., “Solar Orbiter Status Update”, 2016AGUFM5H53A...02Z ADS
- Walsh, A. P., Osuna, P., Toledo Redondo, S., et al., “Solar Wind Core Electrons: Kappa or Maxwellian?”, 2016AGUFM5H51D2608W ADS
- Ireland, J., Zahniy, S., Nicula, B., et al., “New features of the Helioviewer Project”, 2016AGUFM5H11A2212I ADS
- Lakey, D. T., Tanco, I., Sánchez Pérez, J. M., et al., “Optimisation of Solar Orbiter Data Return”, 2016sop.conf.2618L ADS
- Fleck, B. & Müller, D., “20 Years of SOHO”, 2016News...47C...27F ADS
- Zouganelis, Y., Müller, D., St. Cyr, C., & Gilbert, H. R., “Solar Orbiter - Exploring the Sun-Heliosphere Connection”, 2016EGUGA...18.7994Z ADS
- Sánchez-Hernández, J. J., García-Ortiz, J. P., González-Ruiz, V., & Müller, D., “Interactive Streaming of Sequences of High-Resolution JPEG 2000 Images”, 2015ITMm...1770595S ADS
- Wakely, S., Coutu, S., Müller, D., et al., “Prospects for High Energy Light Isotope Measurements on Balloons”, 2015ICRC...34...682W ADS
- Musser, J., Bower, C., Coutu, S., et al., “Limits on the Multi-TeV Cosmic Ray Electron Flux from CREST (Cosmic Ray Electron Synchrotron Telescope)”, 2015ICRC...34...415M ADS
- Stys, J. E., Ireland, J., & Müller, D., “The Helioviewer Project: Solar and Heliospheric Data Visualization”, 2015TESS...1403045 ADS
- Honkova, K., Jurysek, J., Lehky, M., et al., “B.R.N.O. Contributions #39 Times of minima”, 2015OEJV...168...1H ADS
- Müller, D., “Effective Gravity and Homogeneous Solutions”, 2015mgm.conf.1856M ADS
- Müller, D., de Andrade, V. C., Maia, C., Rebouças, M. J., & Teixeira, A. F. F., “Future dynamics in theories”, 2015EPJC...75...13M ADS
- Müller, D., Alves, M. E. S., & de Araujo, J. C. N., “The Isotropization Process in the Quadratic Gravity”, 2014IJMPD...2350019M ADS
- Müller, D., Felix, S., Meier, S., et al., “3D Visualization of Solar Data: Preparing for Solar Orbiter and Solar Probe Plus”, 2014AGUFM5H21B4098M ADS
- Aasi, J., Abbott, B. P., Abbott, R., et al., “The NINJA-2 project: detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations”, 2014CQGra...31k5004A ADS
- Stys, J. E., Ireland, J., Hughitt, V. K., & Müller, D., “Helioviewer.org: Enhanced Solar & Heliospheric Data Visualization”, 2014AAS...22421844S ADS
- Müller, D., St Cyr, O. C., Zouganelis, Y., & Gilbert, H. R., “Solar Orbiter - Exploring the Sun-Heliosphere Connection”, 2014cosp...40E2193M ADS
- Müller, D., “Quadratic gravity and cosmological solutions”, 2014GrCo...20...30M ADS
- Obermeier, A., Boyle, P., Hörandel, J., & Müller, D., “Interactions of Cosmic Rays in the Atmosphere: Growth Curves Revisited”, 2013ApJ...778...870 ADS
- Müller, D., Dimitoglou, G., Caplins, B., et al.: 2013, JHelioviewer: Visualization software for solar physics data, Astrophysics Source Code Library, record ascl:1308.016 2013asc1.soft08016M ADS
- Müller, D., “Effective Gravity and Homogeneous Solutions”, 2013arXiv1307.8438M ADS
- Müller, D., Marsden, R. G., St. Cyr, O. C., Gilbert, H. R., & Solar Orbiter Team, “Solar Orbiter - Exploring the Sun-Heliosphere Connection”, 2013SoPh...285...25M ADS
- Stys, J. E., Ireland, J., Müller, D., & Hughitt, V. K., “New Capabilities in Helioviewer Project Clients”, 2013SPD...44...149S ADS
- Diebold, S., Müller, D., Schwantuschke, D., et al., “AlGaIn/GaN-based variable gain amplifiers for W-band operation”, 2013imds.conf97340D ADS
- Marsden, R. G., Müller, D., & StCyr, O. C., “Solar orbiter - Close-up view of the sun”, 2013AIPC.1539...448M ADS
- Müller, D., Klochkov, D., Caballero, I., & Santangelo, A., “A 0535+26 in the April 2010 outburst: probing the accretion regime at work”, 2013A&A...552A...81M ADS
- Müller, D., Marsden, R. G., & St. Cyr, O. C., “Scientific synergy between Solar Orbiter and other new observatories”, 2013MmSAI...84...396M ADS
- Marsden, R., Escoubet, C. P., Müller, D., & St Cyr, O. C., “Future science with Solar Orbiter”, 2012cosp...39.1189M ADS
- Tatarov, B., Müller, D., Noh, Y. M., et al., “Record heavy mineral dust outbursts over Korea in 2010: Two cases observed with multiwavelength aerosol/dpolarization/Raman-quartz lidar”, 2012GeoRL...3914801T ADS
- de Deus, J. A. & Müller, D., “Bianchi VII A solutions of effective quadratic gravity”, 2012GrGr...44.1459D ADS
- Obermeier, A., Boyle, P., Hörandel, J., & Müller, D., “The Boron-to-carbon Abundance Ratio and Galactic Propagation of Cosmic Radiation”, 2012ApJ...752...690 ADS
- Ireland, J., Hughitt, V. K., & Müller, D., “The Helioviewer Project: Making Petabytes of Images Available to Everyone”, 2012AAS...22032301I ADS
- Hughitt, V. K., Ireland, J., & Müller, D., “Helioviewer.org: Solar and Heliospheric Data Visualization”, 2012AAS...22020707H ADS
- Müller, D. & de Deus, J. A., “Bianchi I Solutions of Effective Quadratic Gravity”, 2012IJMPD...2150037M ADS
- Sasaki, M., Müller, D., Kraus, U., Ferrigno, C., & Santangelo, A., “Analysing X-ray pulsar profiles. Geometry and beam pattern of 4U 0115+63 and V 0332+53”, 2012A&A...540A...35S ADS
- Müller, D., Klochkov, D., Caballero, I., Staubert, R., & Santangelo, A., “A0535+26 during the 2010 outburst observed with INTEGRAL and RXTE”, 2012int...workE...30M ADS
- Müller, D., “Geodesic motion on closed spaces: Two numerical examples”, 2012PhLA...376...221M ADS
- Müller, D., Marsden, R. G., & Sánchez Perez, J. M., “Solar Orbiter: Orbital characteristics and Opportunities for Multi-Point Observations”, 2011AGUFM5H33B2063M ADS
- Hughitt, V. K., Ireland, J., & Müller, D., “Helioviewer.org: Simple Solar and Heliospheric Data Visualization”, 2011AGUFMED53B0790H ADS
- Obermeier, A., Ave, M., Boyle, P., et al., “Energy Spectra of Primary and Secondary Cosmic-Ray Nuclei Measured with TRACER”, 2011ApJ...742...140 ADS
- Müller, D., Klochkov, D., Santangelo, A., Mihara, T., & Sugizaki, M., “No apparent accretion mode changes detected in Centaurus X-3”, 2011A&A...535A.102M ADS
- Schubnell, M., Anderson, T., Bower, C., et al., “Measurement of Cosmic-Ray TeV Electrons”, 2011HEAD...12.3616S ADS
- Caballero, I., Pottschmidt, K., Santangelo, A., et al., “The Be/X-ray binary A0535+26 during its recent 2009/2010 outbursts”, 2011arXiv1107.3417C ADS
- Sperhake, U., Brüggemann, B., Müller, D., & Sopena, C. F., “11-orbit inspiral of a mass ratio 4:1 black-hole binary”, 2011CQGra...28m4004S ADS
- Ajith, P., Hannam, M., Husa, S., et al., “Inspiral-Merger-Ringdown Waveforms for Black-Hole Binaries with Nonprecessing Spins”, 2011PhRvL...106x1101A ADS
- Coutu, S., Anderson, T., Bower, C., et al., “Searching for TeV cosmic electrons with the CREST experiment”, 2011NuPhS.215...250C ADS
- Müller, D., “Homogeneous Solutions of Quadratic Gravity”, 2011IJMPD...3...111M ADS
- Hourcle, J., Addison, K., Bogart, R., et al., “Accessing SDO Data : The Poster”, 2011SPD...42.2130H ADS
- Hughitt, V. K., Ireland, J., Müller, D., et al., “The Helioviewer Project: Solar Data Visualization and Exploration”, 2011SPD...42.1517H ADS
- Müller, D., Alves, M. E. S., & de Araujo, J. C. N., “Isotropisation of Quadratic Gravity: Scalar and Tensor Components”, 2011arXiv1103.3439M ADS

- Marsden, R. G. & Müller, D., "Solar Orbiter: Linking the Sun and Inner Heliosphere", in M. P. Miralles and J. Sánchez Almeida (Eds.), *The Sun, the Solar Wind, and the Heliosphere*, Vol. 4, 347. 2011sswh.book..347M ADS
- Alados-Arboledas, L., Müller, D., Guerrero-Rascado, J. L., et al., "Optical and microphysical properties of fresh biomass burning aerosol retrieved by Raman lidar, and star-and-sun-photometry", 2011GeoRL..38.1807A ADS
- Hughitt, V. K., Ireland, J., Müller, D., et al., "Helioviewer: Simplifying Your Access to SDO Data", 2010AGUFM23C1868H ADS
- Thompson, B. J., Hourcle, J. A., Addison, K., et al., "The Many Ways to Access SDO Data", 2010AGUFM23C1865T ADS
- Müller, D., Dimitoglou, G., Langenberg, M., et al., "JHelioviewer: Open-Source Software for Discovery and Image Access in the Petabyte Age (Invited)", 2010AGUFM22A..05M ADS
- Müller, D., Mattis, I., Tatarov, B., et al., "Mineral quartz concentration measurements of mixed mineral dust/urban haze pollution plumes over Korea with multiwavelength aerosol Raman-quartz lidar", 2010GeoRL..37.20810M ADS
- Ansmann, A., Tesche, M., Groß, S., et al., "The 16 April 2010 major volcanic ash plume over central Europe: EARLINET lidar and AERONET photometer observations at Leipzig and Munich, Germany", 2010GeoRL..37.13810A ADS
- Wandinger, U., Tesche, M., Seifert, P., et al., "Size matters: Influence of multiple scattering on CALIPSO light-extinction profiling in desert dust", 2010GeoRL..37.10801W ADS
- Hughitt, V. K., Ireland, J., Müller, D., et al., "Solar Mashups: Interacting With, Extending, And Embedding Helioviewer.org And JHelioviewer", 2010AAS...21640225H ADS
- Müller, D., Langenberg, M., Pagel, S., et al., "JHelioviewer: Taming The Torrent Of SDO Data", 2010AAS...21640224M ADS
- Müller, D., Hughitt, V. K., Langenberg, M., et al., "The Helioviewer Project: Browsing, Visualizing and Accessing Petabytes of Solar Data", 2010AAS...21640223M ADS
- Caballero, I., Pottschmidt, K., Santangelo, A., et al., "The Be/X-ray binary A0535+26 during its recent 2009/2010 outbursts", 2010int..workE..63C ADS
- Müller, D., Fleck, B., Dimitoglou, G., et al., "JHelioviewer: Exploring Petabytes of Solar Images", 2010cosp...38.2880M ADS
- Park, N., Anderson, T., Bower, C., et al., "TeV electron measurement with CREST experiment", 2010cosp...38.2657P ADS
- de Wijn, A. G. & Müller, D., "On the Relationship Between Magnetic Field and Mesogranulation", 2009ASPC..415..211D ADS
- Hughitt, V. K., Ireland, J., Müller, D., et al., "Helioviewer.org: Browsing Very Large Image Archives Online Using JPEG 2000", 2009AGUFM5H1B1279H ADS
- Marsden, R. G. & Müller, D., "Solar Orbiter: Exploring the Sun-Heliosphere Connection", 2009AGUFM5H13B1537M ADS
- Müller, D., Fleck, B., Dimitoglou, G., et al., "JHelioviewer: Visualizing Large Sets of Solar Images Using JPEG 2000", 2009CSE...11...38M ADS
- Müller, D., Dimitoglou, G., Hughitt, V. K., et al., "A Novel Approach to Discovery and Access to Solar Data in the Petabyte Age", 2009SPD...40.1706M ADS
- Hughitt, V. K., Ireland, J., Schmiedel, P., et al., "Helioviewer.org: An Open-source Tool for Visualizing Solar Data", 2009SPD...40.1502H ADS
- Ireland, J., Hughitt, K., Müller, D., et al., "The Helioviewer Project: Discovery For Everyone Everywhere", 2009SPD...40.1501I ADS
- Ave, M., Boyle, P. J., Höppner, C., Marshall, J., & Müller, D., "Propagation and Source Energy Spectra of Cosmic Ray Nuclei at High Energies", 2009ApJ...697..106A ADS
- Obermeier, A., Ave, M., Boyle, P., Marshall, J., & Müller, D., "Composition and Propagation of Galactic Cosmic-Ray Nuclei at High Energies", 2009APS..APR.R8004O ADS
- Haustein, K., Pérez, C., Baldasano, J. M., et al., "Regional dust model performance during SAMUM 2006", 2009GeoRL..36.3812H ADS
- Maia, M. D., Capistrano, A. J. S., & Müller, D., "Perturbations of Dark Matter Gravity", 2009IJMPD..18.1273M ADS
- Wakely, S., Boyle, P., Müller, D., & Swordy, S., "Future Cosmic-ray Observations On Balloons - Challenges And Requirements", 2009AAS...21347516W ADS
- Schubnell, M., Anderson, T., Bower, C., et al., "Crest - A Balloon-borne Instrument To Measure Cosmic-ray Electrons Above TeV Energies.", 2009AAS...21347509S ADS
- Müller, D. A. N. & Antiochos, S. K., "Topologically driven coronal dynamics - a mechanism for coronal hole jets", 2008AnGeo..26.2967M ADS
- Müller, D. & Marsden, R. G., "Solar Orbiter: Status Update", 2008ESPM...12..6.4M ADS
- Boyle, P. J., Gahbauer, F., Höppner, C., et al., "Cosmic ray composition at high energies: The TRACER project", 2008AdSpR..42..409B ADS
- Ave, M., Boyle, P. J., Gahbauer, F., et al., "Composition of Primary Cosmic-Ray Nuclei at High Energies", 2008ApJ...678..262A ADS
- Müller, D. A. N. & Antiochos, S. K., "A Mechanism for Coronal Hole Jets", 2008arXiv0804.3995M ADS
- Tarle, G., Ameel, J., Ball, R., et al., "The Flight Electronics System for the Cosmic Ray Electron Synchrotron Telescope (CREST) Experiment", 2008ICRC...2..313T ADS
- Nutter, S., Bower, C. R., Coutu, S., et al., "Synchrotron radiation from primary cosmic ray electrons: Monte Carlo studies of event topographies and potential backgrounds at balloon altitudes", 2008ICRC...2..309N ADS
- Schubnell, M., Bower, C., Coutu, S., et al., "The Cosmic Ray Electron Synchrotron Telescope (CREST) Experiment", 2008ICRC...2..305S ADS
- Ave, M., Boyle, P. J., Höppner, C., et al., "Propagation of High-Energy Cosmic Rays through the Galaxy: Discussion and Interpretation of TRACER Results", 2008ICRC...2..215A ADS
- Boyle, P. J., Ave, M., Höppner, C., et al., "Cosmic Ray Energy Spectra of Primary Nuclei from Oxygen to Iron: Results from the TRACER 2003 LDB Flight", 2008ICRC...2..87B ADS
- Müller, D., Boyle, P. J., Gahbauer, F., et al., "The TRACER Project: Instrument Concept, Balloon Flights, and Analysis Procedures", 2008ICRC...2..83M ADS
- Tritschler, A., Müller, D. A. N., Schlichenmaier, R., & Hagenaar, H. J., "Fine Structure of the Net Circular Polarization in a Sunspot Penumbra", 2007ApJ...671L..85T ADS
- Borrero, J. M., Bellot Rubio, L. R., & Müller, D. A. N., "Flux Tubes as the Origin of Net Circular Polarization in Sunspot Penumbrae", 2007ApJ...666L.133B ADS
- Müller, D. & Antiochos, S. K., "A Mechanism for Coronal Hole Jets", 2007AAS...210.9117M ADS
- Boyle, P. J., Ave, M., Gahbauer, F., et al., "Cosmic ray composition at high energies: Results from the TRACER project", 2007astro.ph..3707B ADS
- Müller, D., Mattis, I., Ansmann, A., et al., "Multiwavelength Raman lidar observations of particle growth during long-range transport of forest-fire smoke in the free troposphere", 2007GeoRL..34.5803M ADS
- Lima, M. P. & Müller, D., "Casimir effect in E³ closed spaces", 2007CQGra...24..897L ADS
- Schlichenmaier, R., Müller, D. A. N., & Beck, C., "On the inhomogeneities of the sunspot penumbra", 2007msfa.conf..233S ADS
- Müller, D. A. N., Schlichenmaier, R., Fleck, B., & Fritz, G., "Disentangling The Magnetic Field Structure Of Sunspots - Stereoscopic Polarimetry With Solar Orbiter", 2007ESASP.641E..32M ADS
- Müller, D. A. N., Schlichenmaier, R., Fritz, G., & Beck, C., "The multi-component field topology of sunspot penumbrae. A diagnostic tool for spectropolarimetric measurements", 2006A&A...460..925M ADS
- Müller, D. & Viteni, S. D. P., "About Starobinsky inflation", 2006PhRvD..74h3516M ADS
- Müller, D., Tesche, M., Eichler, H., et al., "Strong particle light absorption over the Pearl River Delta (south China) and Beijing (north China) determined from combined Raman lidar and Sun photometer observations", 2006GeoRL..33.20811M ADS
- Viteni, S. D. P. & Müller, D., "Numerical Bianchi type I solutions in semiclassical gravitation", 2006PhRvD..74f3508V ADS
- Müller, D. A. N., Schlichenmaier, R., Fritz, G., & Beck, C., "Net Circular Polarization of Sunspot Penumbrae - A Versatile Tool for Diagnosing Magnetic Field Structure", 2006ESASP.617E..72M ADS
- Müller, D., Schlichenmaier, R., Fritz, G., & Beck, C., "Net Circular Polarization Of Sunspot Penumbrae - A Versatile Model For Diagnosing Magnetic Field Structure", 2006SPD...37.0707M ADS
- Fleck, B., Müller, D., Haugan, S., et al., "10 years of SOHO", 2006ESABu.126..24F ADS
- Nutter, S., Bower, C., Coutu, S., et al., "Searching for high energy cosmic ray electrons using the Earth's magnetic field.", 2006APS..APR.P7001N ADS
- Müller, D., "Casimir Effect in Compact Universes", 2006tmgm.meet.1668M ADS
- Ave, M., Boyle, P. J., Gahbauer, F., et al., "Cosmic ray composition at high energies: Results from the TRACER project", 2006cosp...36.2517A ADS
- Müller, D. A. N., de Groof, A., de Pontieu, B., & Hansteen, V. H., "a Multi-Wavelength View on Coronal Rain", 2005ESASP.600E..30M ADS
- de Groof, A., Müller, D. A. N., & Poedts, S., "Multiwavelength Analysis of Downflows Along AN Off-Limb Loop", 2005ESASP.600E..29D ADS
- Müller, D., "The power spectrum of the circular noise", 2005GrGr...37.1905M ADS
- Müller, D. A. N., de Groof, A., de Pontieu, B., & Hansteen, V. H., "a Multi-Wavelength View on Coronal Rain", 2005ESASP.596E..37M ADS
- de Groof, A., Müller, D. A. N., & Poedts, S., "Downflows Along AN Off-Limb Loop Seen both in 30.4nm and Ha", 2005ESASP.596E..36D ADS
- de Groof, A., Bastiaansen, C., Müller, D. A. N., Berghmans, D., & Poedts, S., "Detailed comparison of downflows seen both in EIT 30.4 nm and Big Bear Ha movies", 2005A&A...443..319D ADS
- Müller, D. A. N., De Groof, A., Hansteen, V. H., & Peter, H., "High-speed coronal rain", 2005A&A...436.1067M ADS

- Fegan, S. J., Badran, H. M., Bond, I. H., et al., "A Survey of Unidentified EGRET Sources at Very High Energies", 2005ApJ...624..638F ADS
- Daniel, M. K., Badran, H. M., Bond, I. H., et al., "Spectrum of Very High Energy Gamma-Rays from the blazar 1ES 1959+650 during Flaring Activity in 2002", 2005ApJ...621..181D ADS
- Romero-Wolf, A., Ave, M., Boyle, P., et al., "Antarctic Balloon Flight and Data Analysis of TRACER", 2005ICRC...3...97R ADS
- Müller, D., Ave, M., Boyle, P. J., et al., "Measurements with TRACER: Discussion of Results and Future Prospects", 2005ICRC...3...89M ADS
- Höppner, C., Ave, M., Boyle, P., et al., "The Response of the TRACER Detector: Design, Calibrations and Measurements", 2005ICRC...3...73H ADS
- Boyle, P. J., Ave, M., Gahbauer, F., et al., "Energy Spectra of Heavy Cosmic Ray Nuclei from 0.5 GeV/amu to 10,000 GeV/amu", 2005ICRC...3...65B ADS
- Beatty, J. J., Bhattacharyya, A., Bower, C., et al., "New Measurement of the Cosmic-Ray Positron Fraction from 5 to 15 GeV", 2004PhRvL...93x1102B ADS
- Müller, D. A. N., de Groof, A., Hansteen, V. H., & Peter, H., "Thermal Instability as the Origin of High Speed Coronal Rain", 2004ESASP.575..291M ADS
- Beatty, J. J., Coutu, S., Minnick, S. A., et al., "New measurement of the altitude dependence of the atmospheric muon intensity", 2004PhRvD...70i2005B ADS
- Falcone, A. D., Bond, I. H., Boyle, P. J., et al., "A Search for TeV Gamma-Ray Emission from High-peaked Flat-Spectrum Radio Quasars Using the Whipple Air Cerenkov Telescope", 2004ApJ...613..710F ADS
- Müller, D. A. N., Peter, H., & Hansteen, V. H., "Dynamics of solar coronal loops. II. Catastrophic cooling and high-speed downflows", 2004A&A...424..289M ADS
- Schubnell, M., Bower, C., Coutu, S., et al., "Measuring TeV Cosmic-Ray Electrons with CREST", 2004HEAD...8.2304S ADS
- Le Bohec, S., Badran, H. M., Bond, I. H., et al., "Observation of M87 at 400 GeV with the Whipple 10 Meter Telescope", 2004ApJ...610..156L ADS
- Kosack, K., Badran, H. M., Bond, I. H., et al., "TeV Gamma-Ray Observations of the Galactic Center", 2004ApJ...608L..97K ADS
- Gahbauer, F., Hermann, G., Hörandel, J. R., Müller, D., & Radu, A. A., "A New Measurement of the Intensities of the Heavy Primary Cosmic-Ray Nuclei around 1 TeV amu⁻¹", 2004ApJ...607..333G ADS
- Krennrich, F., Bond, I. H., Boyle, P. J., et al., "VERITAS: the Very Energetic Radiation Imaging Telescope Array System", 2004NewAR...48..345K ADS
- Minnick, S. A., Beach, A. S., Beatty, J. J., et al., "Energy Spectra and Charge Ratios of Atmospheric Muons", 2004APS...0SS.B9001M ADS
- Horan, D., Badran, H. M., Bond, I. H., et al., "Constraints on the Very High Energy Emission from BL Lacertae Objects", 2004ApJ...603...51H ADS
- Radu, A. A., Müller, D., & Gahbauer, F., "The deconvolution of the energy spectrum for the TRACER experiment", 2004rac.conf..205R ADS
- Müller, D.: 2004, "Catastrophic cooling in solar coronal loops: thermal instability as a road to complex evolution", Ph.D. thesis, Albert Ludwigs University of Freiburg, Germany 2004PhDT.....315M ADS
- Müller, D., de Groof, A., Hansteen, V. H., & Peter, H., "Thermal non-equilibrium in coronal loops: A road to complex evolution", 2004IAUS...223..289M ADS
- Müller, D., Peter, H., & Hansteen, V., "Catastrophic Cooling and High-Speed Downflows in Solar Coronal Loops", 2004IAUS...219..765M ADS
- Müller, D. A. N., Hansteen, V. H., & Peter, H., "Plasma Condensation in Solar Coronal Loops - I. Basic Processes", 2004ESASP.547..285M ADS
- Müller, D. A. N., Peter, H., & Hansteen, V. H., "Plasma Condensation in Solar Coronal Loops: II. Catastrophic Cooling and High-Speed Downflows", 2004ESASP.547..199M ADS
- de la Calle Pérez, I., Bond, I. H., Boyle, P. J., et al., "Search for High-Energy Gamma Rays from an X-Ray-selected Blazar Sample", 2003ApJ...599..909D ADS
- Müller, D. A. N., Hansteen, V. H., & Peter, H., "Dynamics of solar coronal loops. I. Condensation in cool loops and its effect on transition region lines", 2003A&A...411..605M ADS
- Wakely, S. P., Bond, I. H., Boyle, P. J., et al., "The VERITAS Prototype", 2003ICRC...5.2803W ADS
- Horan, D., Bond, I. H., Boyle, P. J., et al., "Observations of H1426+428 from 1999 to 2002 with the Whipple Observatory 10 m Telescope", 2003ICRC...5.2647H ADS
- Nagai, T., Vassiliev, V. V., Bond, I. H., et al., "Observations of Starburst Galaxies", 2003ICRC...5.2635N ADS
- LeBohec, S., Bond, I. H., Boyle, P. J., et al., "Observation of M87 with the Whipple 10m Telescope", 2003ICRC...5.2627L ADS
- Holder, J., Bond, I. H., Boyle, P. J., et al., "Whipple Observations of 1ES1959+650: An Update", 2003ICRC...5.2619H ADS
- Krennrich, F., Bond, I. H., Boyle, P. J., et al., "Hourly Spectral Variability of Mrk 421", 2003ICRC...5.2603K ADS
- Rebillot, P. F., Hughes, S. B., Bond, I. H., et al., "Intensive TeV Gamma-Ray and X-Ray Observations of the Blazar Mrk 421 in December 2002 and January 2003", 2003ICRC...5.2599R ADS
- Horan, D., Catanese, M. A., Bond, I. H., et al., "VHE Observations of BL Lacertae Objects: 1995-2000", 2003ICRC...5.2567H ADS
- Walker, G., Bond, I. H., Boyle, P. J., et al., "Whipple Telescope Observations of Potential TeV Gamma-Ray Sources Found by the Tibet Air Shower Array", 2003ICRC...5.2563W ADS
- LeBohec, S., Baltz, E. A., Bond, I. H., et al., "Search for a WIMP Annihilation Signature in the Core of the Globular Cluster M15", 2003ICRC...4.2521L ADS
- Gahbauer, F., Hermann, G., Hörandel, J., Müller, D., & Radu, A. A., "Precise Identification of Heavy Cosmic-Ray Nuclei: The Role of Delta Rays", 2003ICRC...4.2245G ADS
- Wakely, S. P., Gahbauer, F. H., Hoerandel, J. R., Müller, D., & Plewnia, S., "Transition Radiation Detectors for Cosmic Rays near the Knee", 2003ICRC...4.2237W ADS
- Müller, D., Gahbauer, F., Hermann, G., Hoerandel, J., & Radu, A. A., "Energy Spectra and Relative Abundances of Heavy Cosmic-Ray Nuclei around 1 TeV/Nucleon", 2003ICRC...4.1873M ADS
- Beach, A. S., Beatty, J. J., Bhattacharyya, A., et al., "Measurement of the Cosmic-Ray Antiproton Energy Spectrum with HEAT-pbar", 2003ICRC...4.1789B ADS
- Minnick, S. A., Beach, A. S., Beatty, J. J., et al., "Energy Spectra and Charge Ratios of Atmospheric Muons", 2003ICRC...3.1191M ADS
- Müller, D. A. N., Hansteen, V. H., & Peter, H., "Condensation in Cool Coronal Loops and its Effect on Transition Region Lines", 2003ANS...324..108M ADS
- Müller, D. A. N., Hansteen, V. H., & Peter, H., "Dynamics of Coronal loops: Catastrophic Cooling and High-speed Downflows", 2003ANS...324..13M ADS
- Coutu, S., Beach, A. S., Beatty, J. J., et al., "Antimatter Measurements with Heat and the Dark Matter Connection", 2003idm.conf..483C ADS
- Hall, T. A., Bond, I. H., Bradbury, S. M., et al., "Search for TeV Emissions from Pulsars in Binary Systems", 2003ApJ...583..853H ADS
- Diehl, E., Ellithorpe, D., Müller, D., & Swordy, S. P., "The energy spectrum of cosmic-ray protons and helium near 100 GeV", 2003Aph...18..487D ADS
- Holder, J., Bond, I. H., Boyle, P. J., et al., "Detection of TeV Gamma Rays from the BL Lacertae Object 1ES 1959+650 with the Whipple 10 Meter Telescope", 2003ApJ...583L...9H ADS
- Krennrich, F., Bond, I. H., Bradbury, S. M., et al., "Recent Results from the VERITAS Collaboration", 2002astro.ph.12269K ADS
- Petry, D., Bond, I. H., Bradbury, S. M., et al., "The TeV Spectrum of H1426+428", 2002ApJ...580..104P ADS
- Müller, D., Fagundes, H. V., & Opher, R., "Casimir energy in multiply connected static hyperbolic universes", 2002PhRvD..66h3507M ADS
- Swordy, S. P., Fortson, L. F., Hinton, J., et al., "The composition of cosmic rays at the knee", 2002Aph...18..129S ADS
- Müller, D. A. N., Schlichenmaier, R., Steiner, O., & Stix, M., "Spectral signature of magnetic flux tubes in sunspot penumbrae", 2002A&A...393..305M ADS
- Krennrich, F., Bond, I. H., Bradbury, S. M., et al., "Discovery of Spectral Variability of Markarian 421 at TeV Energies", 2002ApJ...575L...9K ADS
- Müller, D. A. N., Schlichenmaier, R., Steiner, O., & Stix, M., "Net circular polarization of sunspot penumbrae - symmetry breaking by anomalous dispersion", 2002ESASP.508..141M ADS
- Horan, D., Badran, H. M., Bond, I. H., et al., "Detection of the BL Lacertae Object H1426+428 at TeV Gamma-Ray Energies", 2002ApJ...571..753H ADS
- Weekes, T. C., Badran, H., Biller, S. D., et al., "VERITAS: the Very Energetic Radiation Imaging Telescope Array System", 2002Aph...17..221W ADS
- Müller, D., "Cosmic ray composition near the knee: the TRACER project and prospects for future developments", 2002cosp...34E1436M ADS
- Müller, D. & Fagundes, H. V., "Casimir Energy Density in Closed Hyperbolic Universes", 2002IJMPA..17.4385M ADS
- Schlichenmaier, R., Müller, D. A. N., Steiner, O., & Stix, M., "Net circular polarization of sunspot penumbrae. Symmetry breaking through anomalous dispersion", 2002A&A...381L..77S ADS
- Beach, A. S., Beatty, J. J., Bhattacharyya, A., et al., "Measurement of the Cosmic-Ray Antiproton-to-Proton Abundance Ratio between 4 and 50 GeV", 2001PhRvL...87A1101B ADS
- Müller, D. A. N., Steiner, O., Schlichenmaier, R., & Brandt, P. N., "Time-slice diagrams of solar granulation", 2001SoPh...203..211M ADS
- Müller, D., Connel, J. J., Decourchelle, A., et al., "KEY MEASUREMENTS IN THE FUTURE - Working Group Report", 2001SSRv...99..353M ADS
- Müller, D., "Cosmic Rays Beyond the Knee", 2001SSRv...99..105M ADS

- Krennrich, F., Badran, H. M., Bond, I. H., et al., "Cutoff in the TeV Energy Spectrum of Markarian 421 during Strong Flares in 2001", 2001ApJ...560L..45K ADS
- Gautsch, S., Stauffer, U., Akiyama, T., et al., "Miniaturized atomic force microscope for planetary exploration", 2001ESASP.480...11G ADS
- Duvernois, M. A., Barwick, S. W., Beatty, J. J., et al., "Cosmic-Ray Electrons and Positrons from 1 to 100 GeV: Measurements with HEAT and Their Interpretation", 2001ApJ...559..296D ADS
- Duvernois, M., Beach, A. S., Beatty, J. J., et al., "Splash and reentrant albedo observations of electrons and positrons at a 4.5 GV vertical magnetic cutoff", 2001ICRC...10.4003D ADS
- Wakely, S. P., Gahbauer, F. H., Hörandel, J. R., Müller, D., & Swordy, S. P., "The Design of Precision X-ray Transition Radiation Detectors for Cosmic Rays", 2001ICRC...6.2247W ADS
- Nutter, S., Beach, A. S., Beatty, J. J., et al., "Detection of cosmic ray antiprotons with the heat-pbar instrument", 2001ICRC...5.1691N ADS
- Coutu, S., Beach, A. S., Beatty, J. J., et al., "Positron Measurements with the Heat-Pbar Instrument", 2001ICRC...5.1687C ADS
- Musser, J., Beach, A. S., Beatty, J. J., et al., "The Cosmic-Ray Antiproton to Proton Ratio from 5 to 50 GeV", 2001ICRC...5.1684M ADS
- Duvernois, M. A., Beatty, J. J., Bower, C., et al., "Absolute Rigidity Spectra of Protons and Helium from 16 to 250 GV", 2001ICRC...5.1618D ADS
- Gahbauer, F., Hermann, G., Hörandel, J., et al., "Cosmic Ray Nuclei at High Energies: Recent Results from TRACER and Future Prospects", 2001ICRC...5.1612G ADS
- Hörandel, J. R., Britton, J. W., Gahbauer, F., et al., "A new Measurement of the Energy Spectra of Cosmic Ray Nuclei", 2001ICRC...5.1608H ADS
- Müller, D., Fagundes, H. V., & Opher, R., "Casimir energy in a small volume multiply connected static hyperbolic preinflationary universe", 2001PhRvD...6313508M ADS
- Müller, D., Connel, J. J., Decourchelle, A., et al., "Key Measurements in the Future", in R. Diehl, E. Parizot, R. Kallenbach, and R. Von Steiger (Eds.), The Astrophysics of Galactic Cosmic Rays. Series: Space Sciences Series of ISSI, Vol. 13, 353–373 2001agcr.book..353M ADS
- Müller, D., "Cosmic Rays Beyond the Knee", in R. Diehl, E. Parizot, R. Kallenbach, and R. Von Steiger (Eds.), The Astrophysics of Galactic Cosmic Rays. Series: Space Sciences Series of ISSI, Vol. 13, 105–116 2001agcr.book..105M ADS
- Müller, D. & Opher, R., "Orbits in a Neighboring Dwarf Galaxy According to Modified Nonrelativistic Dynamics", 2000ApJ...540...57M ADS
- Foy, R., Pique, J.-P., Petit, A. D., et al., "Polychromatic guide star: feasibility study", 2000SPIE.4065..312F ADS
- Coutu, S., Beatty, J. J., Duvernois, M. A., et al., "Energy spectra, altitude profiles, and charge ratios of atmospheric muons", 2000PhRvD...62c2001C ADS
- Foy, R., Pique, J.-P., Petit, A. D., et al., "ELPOA: toward the tilt measurement from a polychromatic laser guide star", 2000SPIE.4007..284F ADS
- Krennrich, F., Bradbury, S. M., Bond, I. H., et al., "VERITAS: Very energetic radiation imaging telescope array system", 2000AIPC...515..515K ADS
- Bond, F., Krennrich, S. M., Bradbury, I. H., et al., "VERITAS: Very Energetic Radiation Imaging Telescope Array System", 2000AIPC...515..515B ADS
- Duvernois, M. A., Beatty, J. J., Coutu, S., et al., "Absolute Spectra of Protons and Helium Nuclei from 16-250 GV", 2000APS..APRC16005D ADS
- Weekes, T. C., Bradbury, S. M., Bond, I. H., et al., "The Very Energetic Radiation Imaging Telescope Array System (VERITAS)", 2000AIPC...510..637W ADS
- Barwick, S. W., Beatty, J. J., Bower, C. R., et al., "The Energy Spectra and Relative Abundances of Electrons and Positrons in the Galactic Cosmic Radiation", 1998ApJ...498..779B ADS
- Duvernois, M. A., Beatty, J. J., Coutu, S., et al., "Cosmic ray electrons and positrons from 1–100 GeV: HEAT balloon measurements", 1998APS..APR..M709D ADS
- Barwick, S. W., Beatty, J. J., Bower, C. R., et al., "Cosmic ray reentrant electron albedo: High-Energy Antimatter Telescope balloon measurements from Fort Sumner, New Mexico", 1998JGR...103.4817B ADS
- Barwick, S. W., Beatty, J. J., Bhattacharyya, A., et al., "Measurements of the Cosmic-Ray Positron Fraction from 1 to 50 GeV", 1997ApJ...482L.191B ADS
- Müller, D., Diehl, E., Gahbauer, F., Meyer, P., & Swordy, S., "Towards the knee: direct measurements of the cosmic ray composition with electronic detectors", 1997AdSpR...19..719M ADS
- Barwick, S. W., Beatty, J. J., Bower, C. R., et al., "The High-Energy Antimatter Telescope (HEAT): An instrument for the study of cosmic-ray positrons", 1997NIMPA.400...34B ADS
- Ellithorpe, D., Diehl, E., Müller, D., & Swordy, S., "A large area RICH photon detector for astrophysics", 1997NIMPA.387..150E ADS
- Tarlé, G., Barwick, S. W., Beatty, J. J., et al., "Relative Abundances of Positive and Negative Muons in the Atmosphere", 1997ICRC...6..321T ADS
- Weekes, T. C., Akerlof, C., Biller, S., et al., "VERITAS: The Very Energetic Radiation Imaging Telescope Array System", 1997ICRC...5..173W ADS
- Müller, D., Barwick, S. W., Beatty, J. J., et al., "Energy Spectra of Electrons and Positrons from 5 to 100 GeV", 1997ICRC...4..237M ADS
- Coutu, S., Barwick, S. W., Beatty, J. J., et al., "Cosmic-Ray Positrons: Are there Primary Sources?", 1997ICRC...4..213C ADS
- Musser, J., Barwick, S. W., Beatty, J. J., et al., "Measurements of the Cosmic Ray Positron Fraction with the HEAT Spectrometer", 1997ICRC...4..209M ADS
- Diehl, E., Ellithorpe, D., Müller, D., & Swordy, S. P., "A New Measurement of the Energy Spectra of Light Nuclei from 20-150 GeV/h", 1997ICRC...3..405D ADS
- de Nolfo, G. A., Barwick, S. W., Beatty, J. J., et al., "Secondary and Re-entrant Albedo Electrons in the Atmosphere", 1997ICRC...2..373D ADS
- Musser, J., Bower, C. R., Barwick, S. W., et al., "A Measurement of the Cosmic Ray Positron Fraction at Intermediate Energies", 1996APS..MAY..B702M ADS
- Müller, D., "A Semi-Analytical Method for the Evaluation of the Power Spectrum of a Rotating Observer", 1995gr.qc...12038M ADS
- Müller, D., "Performance of the HEAT spectrometer for cosmic ray electrons and positrons", 1995NIMPA.367...71M ADS
- König, J., Dinkelacker, F., Eigenbrod, C., et al., "Application of UV-laser-diagnostics to combustion research under zero-gravity", 1995AdSpR...16g.145K ADS
- Barwick, S. W., Beatty, J. J., Bower, C. R., et al., "Cosmic Ray Positrons at High Energies: A New Measurement", 1995PhRvL...75..390B ADS
- Ormes, J. F., Beatty, J., Binns, W. R., et al., "Galactic Cosmic Rays Up to 10 TeV", 1995pnac.conf..3120 ADS
- Gaisser, T. K., Green, K. D., Knapp, J., et al., "The Chemical Composition of Cosmic Rays in the Region of the 'Knee'", 1995pnac.conf..273G ADS
- Torbet, E., Barwick, S. W., Beatty, J. J., et al., "Flight Performance and Electron-Hadron Separation of the HEAT - e[±] Experiment", 1995ICRC...3..603T ADS
- Ellithorpe, D., Diehl, E., Müller, D., & Swordy, S., "A new Ring Imaging Cherenkov Telescope for Measurements of Light Cosmic Ray Nuclei", 1995ICRC...3..440E ADS
- Tarlé, G., Barwick, S. W., Beatty, J. J., et al., "A New Measurement of the Positron Fraction at High Energies", 1995ICRC...3...17T ADS
- Müller, D., Barwick, S. W., Beatty, J. J., et al., "The Cosmic Positron Fraction: Implications of a New Measurement", 1995ICRC...3...13M ADS
- Borione, A., Catanese, M., Covault, C. E., et al., "The Energy Spectrum of Cosmic Rays with the CASA-MIA Air Shower Array", 1995ICRC...2..744B ADS
- Swordy, S. P., Barwick, S. W., Beatty, J. J., et al., "The Relative Fluxes of Protons and Helium Nuclei up to 100 GeV/h", 1995ICRC...2..652S ADS
- Schneider, E., Barwick, S. W., Beatty, J. J., et al., "Measurement of the μ/π⁺ Ratio as a Function of Depth in the Atmosphere", 1995ICRC...1..690S ADS
- de Nolfo, G., Barwick, S. W., Beatty, J. J., et al., "Monte Carlo Calculations of Atmospheric Electrons Compared with Data from HEAT", 1995ICRC...1..589D ADS
- Borione, A., Covault, C. E., Cronin, J. W., et al., "A large air shower array to search for astrophysical sources emitting γ-rays with energies >=10¹⁴ eV", 1994NIMPA.346..329B ADS
- Buckley, J., Dwyer, J., Müller, D., Swordy, S., & Tang, K. K., "A New Measurement of the Flux of the Light Cosmic-Ray Nuclei at High Energies", 1994ApJ...429..736B ADS
- Borione, A., Catanese, M., Covault, C. E., et al., "Observation of the shadows of the Moon and Sun using 100 TeV cosmic rays", 1994PhRvD...49.1171B ADS
- Borione, A., Cronin, J. W., Covault, C. E., et al., "CASA-MIA: A 'precision' EAS detector", 1993AIPC...276..207B ADS
- Müller, D., "Understanding the message of cosmic rays: direct measurements of their composition at high energies", 1993foap.conf..391M ADS
- Swordy, S., Buckley, J. H., Dwyer, J., Müller, D., & Tang, K. K., "Ring Imaging Cherenkov Counters: Flight Performance and Future Applications", 1993ICRC...2..500S ADS
- Torbet, E., Barwick, S. W., Beatty, J. J., et al., "HEAT-e[±]: Accelerator Calibration Results", 1993ICRC...2..496T ADS
- Tomasch, A., Ficencic, D. J., Barwick, S. W., et al., "Spatial Resolution Tests for the HEAT Cosmic-Ray Hodoscope", 1993ICRC...2..492T ADS
- Borione, A., Catanese, M., Covault, C. E., et al., "A Procedure to Obtain the Cosmic Ray Energy Spectrum from CASA-MIA Data", 1993ICRC...2..112B ADS
- Buckley, J., Dwyer, J., Müller, D., Swordy, S., & Tang, K. K., "Fluxes and Relative Abundances of Light Cosmic Ray Nuclei above 40 GeV/amu", 1993ICRC...1..599B ADS

- Dwyer, J., Buckley, J., Müller, D., Swordy, S., & Tang, K. K., "The Energy Spectrum and Flux of Cosmic Ray Helium at High Energy", 1993ICRC...1..587D [ADS](#)
- Borione, A., Catanese, M., Covault, C. E., et al., "A Search for Ultra-High Energy Gamma Ray Emission from Active Galactic Nuclei with CASA-MIA", 1993ICRC...1..424B [ADS](#)
- Buckley, J., Dwyer, J., Müller, D., Swordy, S., & Tang, K. K., "A ring imaging Cherenkov telescope for observations of high energy cosmic rays", 1992NIMPA.323..380B [ADS](#)
- Covault, C. E., Borione, A., Cronin, J. W., et al., "A Search for Ultra-High Energy Gamma Rays from EGRET Blazars", 1992AAS...181.2108C [ADS](#)
- Cronin, J. W., Fick, B. E., Gibbs, K. G., et al., "Search for discrete sources of 100 TeV gamma radiation", 1992PhRvD...45.4385C [ADS](#)
- McKay, T. A., Borione, A., Catanese, M., et al., "A search for astrophysical point sources of 100 TeV gamma rays by the UMC collaboration", 1992AIPC...272.1203M [ADS](#)
- Covault, C. E., Aharonian, F. A., Borione, A., et al., "A Search for Diffuse Cosmic Gamma-Rays 100 TeV from Giant Molecular Cloud Regions and the Galactic Plane", 1991BAAS...23.1471C [ADS](#)
- Green, K. D., Catanese, M., Matthews, J., et al., "Study of Extensive Air Showers (EAS) Detected with the Fly's Eye and the UMC Air Shower Array", 1991ICRC...4..347G [ADS](#)
- van der Velde, J. C., Catanese, M., Green, K. D., et al., "Muon and Electron Lateral Distributions in EAS from 10^{14} to 10^{16} eV as Observed by the UMC Detector", 1991ICRC...4..311V [ADS](#)
- Fick, B. E., Borione, A., Covault, C. E., et al., "UMC: a sensitive new detector for UHE gamma-ray astronomy", 1991ICRC...2..728F [ADS](#)
- Buckley, J., Dwyer, J., Müller, D., Swordy, S. P., & Tan, K. K., "The Performance of a New Cerenkov Telescope for Observations of Light Cosmic Ray Nuclei at High Energies", 1991ICRC...2..579B [ADS](#)
- Dwyer, J., Buckley, J., Müller, D., Swordy, S. P., & Tan, K. K., "The Construction of a Large Ring Imaging Cerenkov Counter (RICH) for Balloon Borne Measurements", 1991ICRC...2..575D [ADS](#)
- Tomasch, A. D., Ahlen, S. P., Barwick, S. W., et al., "A New Superconducting Magnet Based Rigidity Spectrometer for the HEAT Balloon Instrument", 1991ICRC...2..181T [ADS](#)
- Müller, D., Ahlen, S. P., Barwick, S. W., et al., "HEAT: A High Energy Antimatter Telescope", 1991ICRC...2..177M [ADS](#)
- Matthews, J., Catanese, M., Green, K. D., et al., "Spectra and Composition Studies With The UMC Detector", 1991ICRC...2..105M [ADS](#)
- Müller, D., Grunsfeld, J., L'Heureux, J., Meyer, P., & Swordy, S., "The Composition of the Arriving Cosmic Ray Flux at TeV Energies and Beyond", 1991ICRC...2..25M [ADS](#)
- Meyer, P., Grunsfeld, J., L'Heureux, J., Müller, D., & Swordy, S. P., "Galactic Propagation and Source Composition of High Energy Cosmic Rays", 1991ICRC...2..21M [ADS](#)
- Nitz, D., Catanese, M., Green, K. D., et al., "A Search for the UHE Sources of Neutral Radiation", 1991ICRC...1..448N [ADS](#)
- Krimm, H. A., Cronin, J. W., Fick, B. E., et al., "A Search for Discrete Sources of Neutral Radiation Above 10^{14} eV Using The 49 Element UMC Prototype", 1991ICRC...1..432K [ADS](#)
- Covault, C. E., Borione, A., Cronin, J. W., et al., "A Search for Diffuse Sources of 100 TeV Gamma-Ray Emission", 1991ICRC...1..420C [ADS](#)
- Ong, R. A., Borione, A., Covault, C. E., et al., "A Search for 100 TeV Gamma-Ray Emission from Cygnus X-3", 1991ICRC...1..2730 [ADS](#)
- Krimm, H. A., Cronin, J. W., Fick, B. E., et al., "A Search for 100 TeV Gamma-Ray Emission From Cygnus X-3 Using the 49 Elements UMC Array", 1991ICRC...1..269K [ADS](#)
- McKay, T. A., Borione, A., Covault, C. E., et al., "A Search For Continuous 100 TeV Gamma-Ray Emission from Hercules X-1", 1991ICRC...1..230M [ADS](#)
- Gibbs, K. G., Borione, A., Covault, C. E., et al., "A Search for 100 TeV Emission from the Crab Nebula and Pulsar Using the UMC Detector", 1991ICRC...1..208G [ADS](#)
- Muller, "New orbits for WDS 02231+7021, WDS 05373+6642, WDS 06425+6612 WDS 22356+5413.", 1991IAUDS.114...1M [ADS](#)
- Krimm, H. A., Cronin, J. W., Fick, B. E., et al., "Preliminary results from the Chicago air shower array and the Michigan muon array", 1991AIPC...220..122K [ADS](#)
- Rosenberg, L. J., Cronin, J. W., Fick, B. E., et al., "Design and operation of the Chicago air shower array", 1991AIPC...220..111R [ADS](#)
- L'Heureux, J., Grunsfeld, J. M., Meyer, P., Müller, D., & Swordy, S. P., "A detector for cosmic-ray nuclei at very high energies", 1990NIMPA.295..246L [ADS](#)
- Ahlen, S. P., Binns, W. R., Cherry, M. L., et al., "The NASA cosmic ray program for the 1990's and beyond Interim report of the NASA Cosmic Ray Program Working Group", 1990AIPC...203...3A [ADS](#)
- L'Heureux, J., Grunsfeld, J. M., Meyer, P., Müller, D., & Swordy, S. P., "A detector for cosmic-ray nuclei at very high energies", 1990nimp..295..246L [ADS](#)
- Buckley, J., Dwyer, J., Müller, D., Swordy, P. S., & Tang, K. K., "Development of a Ring Imaging Cerenkov Counter For Cosmic Ray Measurements", 1990ICRC...4..406B [ADS](#)
- Swordy, P. S., Grunsfeld, J., L'Heureux, J., et al., "The Response of Transition Radiation Detectors to Heavy Cosmic Ray Nuclei at Very High Energies", 1990ICRC...4..381S [ADS](#)
- Newport, J. B., Ong, A. R., Rosenberg, J. L., et al., "Operation and Performance of the Chicago Air Shower Array", 1990ICRC...4..310N [ADS](#)
- Gibbs, G. K., Haar, P., Krimm, A. H., et al., "Design of the Chicago Air Shower Array", 1990ICRC...4..306G [ADS](#)
- Müller, D. & Tang, K. K., "The Cosmic Ray Positron Enigma", 1990ICRC...3..249M [ADS](#)
- Swordy, P. S., Müller, D., Meyer, P., L'Heureux, J., & Grunsfeld, J. M., "Relative Abundances of Secondary and Primary Cosmic Rays at High Energies", 1990ICRC...3..93S [ADS](#)
- Grunsfeld, J. M., L'Heureux, J., Meyer, P., Müller, D., & Swordy, P. S., "Source Spectra of Primary Cosmic Rays", 1990ICRC...3..69G [ADS](#)
- Ong, A. R., Rosenberg, J. L., Wiedenbeck, E. M., et al., "Preliminary Results from the Chicago Air Shower Array", 1990ICRC...2..3570 [ADS](#)
- Meyer, P., Grunsfeld, J., L'Heureux, J., Swordy, S., & Muller, D., "Propagation of cosmic ray nuclei above 50 GeV/amu", 1989AdSpR...91.143M [ADS](#)
- L'Heureux, J., Grunsfeld, J., Meyer, P., Muller, D., & Swordy, S. P., "The High Energy Cosmic Ray Experiment on SPACELAB-2: Detector Performance Calibrations and Data Reduction", 1987ICRC...2..366L [ADS](#)
- Tang, K. K. & Muller, D., "The Positron Fraction in the Cosmic Radiation: Interpretation of a Recent Measurement", 1987ICRC...2..88T [ADS](#)
- Meyer, P., Grunsfeld, J., L'Heureux, J., Swordy, S. P., & Muller, D., "The Abundance of Spallation Produced Nuclei at High Energies", 1987ICRC...1..338M [ADS](#)
- Swordy, S. P., L'Heureux, J., Meyer, P., Muller, D., & Grunsfeld, J., "High Energy Cosmic Rays: Interpretation of Recent Results", 1987ICRC...1..337S [ADS](#)
- Muller, D., Grunsfeld, J., L'Heureux, J., Meyer, P., & Swordy, S. P., "The Energy Spectra of Primary Cosmic Ray Nuclei up to 1 TeV/nucleon", 1987ICRC...1..334M [ADS](#)
- Müller, D., "The Detection of Cosmic Ray Nuclei at Very High Energies", 1986BAAS...18..673M [ADS](#)
- Lheureux, J., Meyer, P., Müller, D., & Swordy, S. P., "The development of a high energy cosmic ray detector for Spacelab-2.", 1985ICRC...3..276L [ADS](#)
- Swordy, S. P. & Muller, D., "Cerenkov counters for high energy nuclei: Some new developments", 1985ICRC...3..266S [ADS](#)
- Müller, D. & Tang, J., "A Observation of Cosmic Ray Positrons from 10-20 GEV", 1985ICRC...2..378M [ADS](#)
- Lheureux, J., Meyer, P., Muller, D., & Swordy, S., "Detectors for High Energy Cosmic Rays on Spacelab", 1985crhe.work..310L [ADS](#)
- Muller, D., "A Magnet Spectrometer Facility: Rationale and Science Themes", 1985crhe.work..148M [ADS](#)
- Tang, J. & Muller, D., "The propagation of cosmic rays in the Galaxy: further evidence for a "nested leaky box".", 1983ICRC...9..251T [ADS](#)
- Swordy, S. P., Muller, D., & Have, A. T., "On the Generation of Delta-Rays in Detectors for High Energy Cosmic-Ray Nuclei", 1983ICRC...8...55S [ADS](#)
- Kroeger, R. & Muller, D., "Coded Aperture Imaging of X-Ray and Gamma-Ray Sources", 1983ICRC...8...1K [ADS](#)
- Evenson, P., Kroeger, R., Meyer, P., & Muller, D., "Solar Flare Neutron Fluxes Derived from Interplanetary Charged Particle Measurements", 1983ICRC...4...97E [ADS](#)
- Tang, J. & Muller, D., "The Propagation of Cosmic-Rays in the Galaxy: Further Evidence for a "nested Leaky Box"", 1983ICRC...2..193T [ADS](#)
- Muller, D. & Tang, J., "The Spectrum of High Energy Cosmic-Ray Electrons: Results and Interpretation", 1983ICRC...2...60M [ADS](#)
- Müller, D., "Die Kosmische Strahlung im TeV-Bereich - ein unerforschtes Gebiet.", 1981PhyBl...37..267M [ADS](#)
- Müller, D. & Tang, J., "Further measurements of high energy cosmic ray electrons", 1981ICRC...9..142M [ADS](#)
- L'Heureux, J., Meyer, P., Muller, D., & Swordy, S., "a New Transition Radiation Detector for Cosmic-Ray Nuclei", 1981ICRC...8...44L [ADS](#)
- Owens, D. K., Arunasalam, W., Barnes, C., et al., "PDX Divertor Operation", 1980JNuM...93..940 [ADS](#)
- Muller, D., Prince, T., & Tang, J., "The Flux of Cosmic Ray Electrons at 10 GEV", 1979ICRC...12..102M [ADS](#)
- Lampert, J. E., Lheureux, J., Meyer, P., & Muller, D., "The High Energy Cosmic Ray Detector for Spacelab II", 1979ICRC...11...62L [ADS](#)
- Müller, D. & Prince, T., "The Flux of Cosmic Ray Electrons at 10 GEV", 1979ICRC...1..471M [ADS](#)

- Sommer, M. & Müller, D., “Energy spectrum, time structure, and arrival direction of the 1976 August 16 cosmic gamma-ray burst: an observation at balloon altitude.”, 1978ApJ...222L..17S [ADS](#)
- Hartmann, G., Müller, D., & Prince, T., “High-Energy Cosmic-Ray Electrons: A New Measurement Using Transition-Radiation Detectors”, 1977PhRvL...38.1368H [ADS](#)
- Müller, D., “Elemental Composition of Cosmic Rays and Cosmic Ray Electrons”, 1977ICRC...10..474M [ADS](#)
- Cherry, M. L., Hartmann, G., Prince, T., & Müller, D., “Simulation of Shower Development for Various Models in an Iron Ionization Spectrometer (Abstract)”, 1977ICRC...9...47C [ADS](#)
- Cherry, M., Hartmann, G., Müller, D., & Prince, T., “Recent Progress in the Development of Transition Radiation Detectors”, 1977ICRC...9...46C [ADS](#)
- Hartmann, G., Müller, D., & Prince, T., “A New Measurement of the Cosmic Ray Electron Spectrum from 10 GeV to 300 GeV”, 1977ICRC...1..366H [ADS](#)
- Müller, D. & Prince, T., “Cosmic Ray Electrons: A Discussion of Recent Observations”, 1977ICRC...1..360M [ADS](#)
- Sommer, M., Müller, D., Horstman, H., & Bassani, L., “Spectrum, Time Structure and Direction of Incidence of August 16 1976 Gamma Ray Burst”, 1977ICRC...1..173S [ADS](#)
- Müller, D., “Transition-radiation detectors for cosmic-ray research”, 1975rgcr.conf..133M [ADS](#)
- Müller, D., “Electrons in the galactic cosmic radiation.”, 1975rgcr.conf..13M [ADS](#)
- Hartmann, G., Müller, D., & Prince, T., “Design of a Transition Radiation Detector for Cosmic Rays”, 1975ICRC...9.3272H [ADS](#)
- Cherry, M. L., Müller, D., Prince, T. A., & Hartmann, G., “Transition radiation from relativistic electrons in periodic radiators”, 1974PhRvD...10.3594C [ADS](#)
- Vujnovic, V., Pichler, G., Tonejc, A. M., Acinger, K., & Müller, D., “Absolute and relative line intensity measurements when the spectral lines are not optically thin.”, 1973JQSRT...13.1465V [ADS](#)
- Juliusson, E., Meyer, P., & Müller, D., “Cosmic Rays at Very High Energies: Discussion of Some New Results”, 1973ICRC...1..373J [ADS](#)
- Müller, D., “Measurements of the Spectrum of Galactic Electrons at Very High Energies”, 1973ICRC...1..361M [ADS](#)
- Müller, D., Vadla, Č., & Vujnović, V., “Observation of Argon Lines at Normal Pressure in the Vacuum Ultraviolet”, 1972SSRv...13..563M [ADS](#)
- Meyer, P. & Müller, D., “Flux and Energy Spectrum of Cosmic Ray Electrons between 10 and 1000 GeV”, 1971ICRC...1..117M [ADS](#)