

Bibliography from ADS file: berger.bib
September 14, 2022

- Heynderickx, D., Berger, T., Jiggens, P., et al., “ESA’s Human Interplanetary Exploration Radiation Risk Assessment System (HIERRAS)”, 2022cosp...44.2708H [ADS](#)
- Berger, T., “Poster Presentation and Discussion”, 2022cosp...44.2707B [ADS](#)
- Zabori, B., Berger, T., Hirn, A., et al., “Development of the Internal Dosimetry Array for Gateway”, 2022cosp...44.2698Z [ADS](#)
- Berger, T., “The Dosis 3D Project On-Board the International Space Station - Status and Science Overview of 10 Years of Measurements (2012 - 2022)”, 2022cosp...44.2691B [ADS](#)
- Rouaifi, N. E., Gibson, S., Ho, G., et al., “4 π HeliOS: Exploring the Heliosphere from the Solar Interior to the Solar Wind”, 2022cosp...44.1530R [ADS](#)
- Ehresmann, B., Berger, T., Reitz, G., et al., “SEP Measurements on the Surface of Mars with the Radiation Assessment Detector (RAD) aboard the Curiosity rover”, 2022cosp...44.1174E [ADS](#)
- Camporeale, E., Bortnik, J., Berger, T., Guedes dos Santos, L. F., & Hu, A., “Space Weather with Quantified Uncertainty (SWQU): Ensemble Learning for Accurate and Reliable Uncertainty Quantification”, 2022cosp...44..865C [ADS](#)
- Berger, T., Pilinski, M., Nock, K., et al., “Thermospheric Drag Sondes: on-demand probes of the lower Thermosphere/Mesosphere system”, 2022cosp...44..804B [ADS](#)
- Berger, T., Flyer, N., Deshmukh, V., & van der Sande, K., “Solar flare prediction with reduced false positives using a hybrid CNN-ERT machine learning model”, 2022AAS...24043102B [ADS](#)
- Gaidos, E., Hirano, T., Kraus, A. L., et al., “Zodiacal exoplanets in time (ZEIT) XII: a directly imaged planetary-mass companion to a young Taurus M dwarf star”, 2022MNRAS.512..583G [ADS](#)
- Deshmukh, V., Flyer, N., van der Sande, K., & Berger, T., “Decreasing False-alarm Rates in CNN-based Solar Flare Prediction Using SDO/HMI Data”, 2022ApJS..260....9D [ADS](#)
- Casademont, T. M., Hamran, S. E., Amundsen, H. E. F., et al., “Dielectric Permittivity and Density of the Shallow Martian Subsurface in Jezero Crater”, 2022LPICo2678.1513C [ADS](#)
- Siegler, M. A., White, M. N., Brovoll, S., et al., “Passive Radiometry of Subsurface Temperatures Using the Mars 2020 Rimfax Instrument”, 2022LPICo2678.1491S [ADS](#)
- Deshmukh, V., Baskar, S., Bradley, E., Berger, T., & Meiss, J. D., “Machine Learning Approaches to Solar-Flare Forecasting: Is Complex Better?”, 2022arXiv220208776D [ADS](#)
- Pankratz, C., Lucas, G., Knuth, J., et al., “A New Interactive 3-Dimensional Data Viewer for the Enlil Solar Wind Model”, 2021AGUFMSM53B..05P [ADS](#)
- Knuth, J., Lucas, G., Pankratz, C., & Berger, T., “The SWx TREC Space Weather Data Portal: bringing data from diverse sources to the community”, 2021AGUFMSM52A..08K [ADS](#)
- Craft, J., Lucas, G., Pankratz, C., Berger, T., & Sutton, E., “University of Colorado SWx TREC Model Staging Platform: Facilitating Model/Algorithm R2O and O2R Development within a Cloud Computing Environment”, 2021AGUFMSM52A..04C [ADS](#)
- Lacatus, D., Judge, P., Gilbert, H., Paraschiv, A., & Berger, T., “From 1973 to the 2020s, from SKYLAB to 3D vector magnetic fields in prominences”, 2021AGUFMSH42B..05L [ADS](#)
- van der Sande, K., Berger, T., Flyer, N., & Deshmukh, V., “Classification of Solar Flare Magnitudes Using SDO/AIA Movies with 4D Convolutional Neural Networks”, 2021AGUFMNG45B0571V [ADS](#)
- Ehresmann, B., Hassler, D., Zeitlin, C., et al., “New Insights into the Martian Radiation Environment gained with the MSL/RAD Investigation”, 2021AGUFM.P24A..02E [ADS](#)
- Guo, J., Khaksarighiri, S., Wimmer-Schweingruber, R. F., et al., “Directionality of the Martian Surface Radiation and Derivation of the Upward Albedo Radiation”, 2021GeoRL..4893912G [ADS](#)
- Judge, P., Rempel, M., Ezzeddine, R., et al., “Measuring the Magnetic Origins of Solar Flares, Coronal Mass Ejections, and Space Weather”, 2021ApJ...917...27J [ADS](#)
- Wolniewicz, L. M., Berger, T. A., & Huber, D., “VizieR Online Data Catalog: A list of 330000 stars Kepler missed (Wolniewicz+, 2021)”, 2021yCat..51610231W [ADS](#)
- Avallone, E. A., Tayar, J., Van Saders, J., Berger, T., & Claytor, Z., “Rotation Distributions around the Kraft Break with TESS and Kepler: The Influences of Mass, Metallicity, and Binarity”, 2021AAS...23831407A [ADS](#)
- Liu, W. & Berger, T., “Solar Prominence Bubbles and Associated Plasma Instabilities: IRIS and SDO/AIA Observations”, 2021AAS...23811311L [ADS](#)
- Rast, M. P., Bello González, N., Bellot Rubio, L., et al., “Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST)”, 2021SoPh..296...70R [ADS](#)
- Bryson, S., Kunimoto, M., Kopparapu, R. K., et al., “VizieR Online Data Catalog: 117 exoplanets in habitable zone with Kepler DR25 (Bryson+, 2021)”, 2021yCat..51610036B [ADS](#)
- Hamran, S. E., Paige, D. A., Amundsen, H. E. F., et al., “RIMFAX GPR on the MARS 2020 Investigation at Jezero Crater”, 2021LPI....52.1223H [ADS](#)
- Berger, T. & Burmeister, S., “The Dosis 3d Project On-Board the International Space Station - Status and Science Overview of 8 Years of Measurements (2012 - 2020)”, 2021cosp...43E1878B [ADS](#)
- Liu, W., Titov, V., Downs, C., et al., “On Cooling Condensation Near Magnetic Null Points and the Formation of Solar Coronal Rain and Prominences”, 2021cosp...43E.975L [ADS](#)
- Berger, T. A., Huber, D., Van Saders, J., et al., “Precise Demographics of Kepler Planets in the Gaia Era”, 2021AAS...23731703B [ADS](#)
- Wolniewicz, L. M., Berger, T., & Huber, D., “The Stars Kepler Missed: Investigating the Biases Behind the Kepler Target Selection Function”, 2021AAS...23721104W [ADS](#)
- Deshmukh, V., Berger, T., Meiss, J., & Bradley, E., “Shape-based Feature Engineering for Solar Flare Prediction”, 2020arXiv201214405D [ADS](#)
- Berger, T. E., Deshmukh, V., Flyer, N., & Poduval, B., “Detecting spatiotemporal correlation in microflares for improved solar eruption forecasting”, 2020AGUFMSM047..04B [ADS](#)
- Knuth, J., Lucas, G., Pankratz, C. K., et al., “SWx TREC’s Space Weather Data Portal: a launch pad for space weather research”, 2020AGUFMSM0030018K [ADS](#)
- Pankratz, C. K., Lucas, G., Odstrcil, D., et al., “A New Interactive 3-Dimensional Data Viewer for the Enlil Solar Wind Model”, 2020AGUFMSH0030017P [ADS](#)
- Liu, W., Berger, T. E., & Fan, Y., “Solar Prominence Bubbles and Associated Plasma Instabilities: IRIS Observations and MHD Modeling”, 2020AGUFMSH0010014L [ADS](#)
- Lucas, G., Pankratz, C. K., Craft, J., Knuth, J., & Berger, T. E., “A Cloud-based Testbed environment to help make models more “useful””, 2020AGUFMSA0040001L [ADS](#)
- Sirunyan, A. M., Tumasyan, A., Adam, W., et al., “Evidence for Top Quark Production in Nucleus-Nucleus Collisions”, 2020PhRvL.125v2001S [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “Projected WIMP sensitivity of the XENONnT dark matter experiment”, 2020JCAP...11..031A [ADS](#)
- Berger, T. A., Huber, D., Gaidos, E., van Saders, J. L., & Weiss, L. M., “VizieR Online Data Catalog: Gaia-Kepler stellar properties catalog. II. Planets (Berger+, 2020)”, 2020yCat..51600108B [ADS](#)
- Angus, R., Beane, A., Price-Whelan, A. M., et al., “VizieR Online Data Catalog: Stellar parameters for 13196 Kepler dwarfs (Angus+, 2020)”, 2020yCat..51600090A [ADS](#)
- Plowman, J. E. & Berger, T. E., “Calibrating GONG Magnetograms with End-to-End Instrument Simulation III: Comparison, Calibration, and Results”, 2020SoPh..295..144P [ADS](#)
- Plowman, J. E. & Berger, T. E., “Calibrating GONG Magnetograms with End-to-end Instrument Simulation I: Background, the GONG Instrument, and End-to-end Simulation”, 2020SoPh..295..143P [ADS](#)
- Plowman, J. E. & Berger, T. E., “Calibrating GONG Magnetograms with End-to-End Instrument Simulation II: Theory of Calibration”, 2020SoPh..295..142P [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “Excess electronic recoil events in XENON1T”, 2020PhRvD.102g2004A [ADS](#)
- Thorngren, D., López, E., Fortney, J., Berger, T., & Huber, D., “Main-Sequence Re-inflation of Hot Jupiters”, 2020DPS....5221604T [ADS](#)
- Berger, T. A., Huber, D., van Saders, J. L., et al., “VizieR Online Data Catalog: Gaia-Kepler stellar properties catalog.I. KIC stars (Berger+, 2020)”, 2020yCat..51590280B [ADS](#)
- Wimmer-Schweingruber, R. F., Yu, J., Böttcher, S. I., et al., “The Lunar Lander Neutron and Dosimetry (LND) Experiment on Chang’E 4”, 2020SSRv..216..104W [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “Energy resolution and linearity of XENON1T in the MeV energy range”, 2020EPJC...80..785A [ADS](#)
- Gaidos, E., Hirano, T., Mann, A. W., et al., “Zodiacal exoplanets in time - X. The orbit and atmosphere of the young ‘neptune desert’-dwelling planet K2-100b”, 2020MNRAS.495..650G [ADS](#)
- Berger, T., Matthäi, D., Burmeister, S., et al., “Long term variations of galactic cosmic radiation on board the International Space Station, on the Moon and on the surface of Mars”, 2020JWSWC..10..34B [ADS](#)
- Codrescu, S. M., Rowland, W. F., Plummer, T. M., et al., “Feasibility of Near-Real-Time GOLD Data Products”, 2020JGRA..12527819C [ADS](#)
- Bryson, S., Coughlin, J., Batalha, N. M., et al., “A Probabilistic Approach to Kepler Completeness and Reliability for Exoplanet Occurrence Rates”, 2020AJ....159..279B [ADS](#)

- Xu, Z., Wimmer-Scheingruber, R. F., Guo, J., et al., “*Energetic particles measurements on the lunar far-side by Lunar Lander Neutron and Dosimetry(LND) experiment*”, 2020EGUGA..2221246X [ADS](#)
- Russell, P. S., Nunes, D., Hamran, S. E., et al., “*RIMFAX Ground Penetrating Radar Field Tests in the Western USA*”, 2020LPI....51.3012R [ADS](#)
- Deshmukh, V., Berger, T. E., Bradley, E., & Meiss, J. D., “*Leveraging the mathematics of shape for solar magnetic eruption prediction*”, 2020JWSWC..10...13D [ADS](#)
- Hellweg, C. E., Berger, T., Matthiä, D., & Baumstark-Khan, C.: 2020, *Radiation in Space: Relevance and Risk for Human Missions* 2020rsrr.book.....H [ADS](#)
- Berger, T. E., Holzinger, M. J., Sutton, E. K., & Thayer, J. P., “*Flying Through Uncertainty*”, 2020SpWea..1802373B [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “*Light Dark Matter Search with Ionization Signals in XENON1T*”, 2019PhRvL.123y1801A [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “*Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T*”, 2019PhRvL.123x1803A [ADS](#)
- Berger, T. E., Bosanac, N., Smith, T. R., et al., “*The Solar Polar Observing Constellation (SPOC) Mission: research and operational monitoring of space weather from polar heliocentric orbits*”, 2019AGUFMSH43F3352B [ADS](#)
- Xu, Z., Wimmer-Scheingruber, R. F., Guo, J., et al., “*Energetic particles measurements on the lunar far side by Lunar Lander Neutron and Dosimetry(LND) experiment*”, 2019AGUFMSH41D3340X [ADS](#)
- Wimmer-Scheingruber, R. F., Yu, J., Xu, Z., et al., “*Adding Lunar Observations to Multi-point Observations around Earth to Determine the Structure Heliospheric Discontinuities*”, 2019AGUFMSH41A..01W [ADS](#)
- Pankratz, C. K., Baltzer, T., Lucas, G., et al., “*SWx TREC: An Emerging Community Resource for Integrative Space Weather Data Access and Model/Algorithm R2O Promotion*”, 2019AGUFMSH33C3373P [ADS](#)
- Lucas, G., Craft, J., Pankratz, C. K., Sutton, E. K., & Berger, T. E., “*SWx TREC Testbed: Facilitating Model/Algorithm R2O and O2R Development within a Cloud Computing Environment*”, 2019AGUFMSH33C3372L [ADS](#)
- Baltzer, T., Berger, T. E., Knuth, J., et al., “*The University of Colorado Space Weather Technology, Research, and Education Center's Space Weather Portal: A Tool for Easing Access to and Understanding of Datasets to Characterize Space Weather Events*”, 2019AGUFMSH33C3371B [ADS](#)
- Liu, W., Sun, X., Yu, S., et al., “*Cooling Condensation at Coronal Null Points and Quasi-Separatrix Layers Involving Magnetic Reconnection*”, 2019AGUFMSH11C3394L [ADS](#)
- Berger, T. E., Thayer, J. P., Baker, D. N., et al., “*University of Colorado Space Weather Technology, Research, and Education Center (SWx TREC): An academic center of excellence to accelerate research to operations and operations to research transitions*”, 2019AGUFMSA13A..06B [ADS](#)
- Berger, T. A., Huber, D., Gaidos, E., & van Saders, J. L., “*VizieR Online Data Catalog: Revised radii of KIC stars & planets using Gaia DR2 (Berger+, 2018)*”, 2019yCat..18660099B [ADS](#)
- Gaidos, E., Jacobs, T., LaCourse, D., et al., “*Planetesimals around stars with TESS (PAST) - I. Transient dimming of a binary solar analogue at the end of the planet accretion era*”, 2019MNRAS.488.4465G [ADS](#)
- Wimmer-Scheingruber, R. F., Zhang, S., Yu, J., et al., “*First Results from the Lunar Lander Neutron and Dosimetry Experiment (LND) on China's Chang'E 4 mission to the far side of the Moon*”, 2019EPSC...13.1289W [ADS](#)
- Betts, B. H., Warmflash, D., Fraze, R. E., et al., “*Phobos LIFE (Living Interplanetary Flight Experiment)*”, 2019AsBio..19.1177B [ADS](#)
- Chontos, A., Huber, D., Latham, D. W., et al., “*VizieR Online Data Catalog: Radial velocities and transit times for KOI 4 (Chontos+, 2019)*”, 2019yCat..51570192C [ADS](#)
- Zeitlin, C., Hassler, D. M., Ehresmann, B., et al., “*Measurements of radiation quality factor on Mars with the Mars Science Laboratory Radiation Assessment Detector*”, 2019LSSR...22...89Z [ADS](#)
- Coussot, G., Le Postollec, A., Incerti, S., et al., “*Photochemistry on the Space Station-Aptamer Resistance to Space Conditions: Particles Exposure from Irradiation Facilities and Real Exposure Outside the International Space Station*”, 2019AsBio..19.1063C [ADS](#)
- Coussot, G., Le Postollec, A., Faye, C., et al., “*Photochemistry on the Space Station-Antibody Resistance to Space Conditions after Exposure Outside the International Space Station*”, 2019AsBio..19.1053C [ADS](#)
- Liu, W., Sun, X., Yu, S., et al., “*Coronal Condensation at Preferential Topological Locations: The Birth of Solar Prominences and Coronal Rain*”, 2019AAS...23412502L [ADS](#)
- Upton, L., Berger, T., Duncan, N., & Bosanac, N., “*Solar Polar Observing Constellation (SPOC): A New Age for Solar Observations*”, 2019AAS...23410614U [ADS](#)
- Plowman, J., Petrie, G., & Berger, T., “*Calibrating GONG Magnetograms Using MURaM as Ground Truth*”, 2019shin.confE.223P [ADS](#)
- Carande, W. H., Berger, T., Cai, J., et al., “*Deep Learning and Feature Engineering for Solar Flare Prediction*”, 2019shin.confE.156C [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “*Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T*”, 2019PhRvL.122n1301A [ADS](#)
- Craft, J., Pankratz, C., Berger, T., et al., “*“SWx TREC: An Open Space Weather (SWx) R2O Development and Testbed Environment”*”, 2019EGUGA..2112073C [ADS](#)
- Wimmer-Scheingruber, R. F., Zhang, S., Yu, J., et al., “*The Lunar Lander Neutron and Dosimetry (LND) Experiment on Chang'E4*”, 2019LPI....50.2348W [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “*First Results on the Scalar WIMP-Pion Coupling, Using the XENON1T Experiment*”, 2019PhRvL.122g1301A [ADS](#)
- de Vera, J.-P., Alawi, M., Backhaus, T., et al., “*Limits of Life and the Habitability of Mars: The ESA Space Experiment BIOMEX on the ISS*”, 2019AsBio..19...145D [ADS](#)
- Berger, T. A., Howard, A. W., & Boesgaard, A. M., “*VizieR Online Data Catalog: Lithium abundances of KOIs from CKS spectra (Berger+, 2018)*”, 2019yCat..18550115B [ADS](#)
- Martin, J. R., Reichart, D. E., Dutton, D. A., et al., “*Skynet Algorithm for Single-dish Radio Mapping. I. Contaminant-cleaning, Mapping, and Photometering Small-scale Structures*”, 2019ApJS..240...12M [ADS](#)
- Nita, G., Angryk, R., Aydin, B., et al., “*Roadmap for Reliable Ensemble Forecasting of the Sun-Earth System*”, 2018arXiv181008728N [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., “*Dark Matter Search Results from a One Ton-Year Exposure of XENON1T*”, 2018PhRvL.121k1302A [ADS](#)
- Maples, M. P., Reichart, D. E., Konz, N. C., et al., “*Robust Chauvenet Outlier Rejection*”, 2018ApJS..238...2M [ADS](#)
- Berger, T., “*Scene-Setting talk: Solar Activity Forecasting in Practice*”, 2018shin.confE.159B [ADS](#)
- Poduval, B., & Berger, T., “*Predicting Solar Eruptive Events Using Artificial Neural Networks*”, 2018shin.confE.157P [ADS](#)
- Wimmer-Scheingruber, R., Hellweg, C., Berger, T., et al., “*The Lunar Lander Neutron & Dosimetry (LND) Experiment on Chang'E4*”, 2018cosp...42E3672W [ADS](#)
- Wimmer-Scheingruber, R., Berger, T., Reitz, G., et al., “*The 2015 - Present Rise of the GCR as observed by RAD on Mars*”, 2018cosp...42E3670W [ADS](#)
- Straube, U., & Berger, T., “*ESA Active Dosimeter a Technolgy Demonstration for ISS and beyond*”, 2018cosp...42E3270S [ADS](#)
- Pankratz, C., Baker, D. N., Elkington, S., et al., “*Facilitating Advancements in Space Weather Data Availability Through a Space Weather Testbed and Data Portal*”, 2018cosp...42E2572P [ADS](#)
- Liu, W., Chye Low, B., & Berger, T., “*On the Nature of Funnel Prominences*”, 2018cosp...42E2054L [ADS](#)
- Liu, W., Chye Low, B., Okamoto, J., & Berger, T., “*Are “Solar Tornadoes” Really Rotating?*”, 2018cosp...42E2053L [ADS](#)
- Liu, W., Vial, J.-C., Antolin, P., Sun, X., & Berger, T., “*Cool Material in the Hot Solar Corona and the Chromosphere-Corona Mass Cycle*”, 2018cosp...42E2052L [ADS](#)
- Hellweg, C., Ottolenghi, A., Sun, Y., & Berger, T., “*Round Table Discussion - Part 2: The Future of Space Radiation Research*”, 2018cosp...42E1429H [ADS](#)
- Hellweg, C., Ottolenghi, A., Sun, Y., & Berger, T., “*Round Table Discussion - Part 1: The Future of Space Radiation Research*”, 2018cosp...42E1428H [ADS](#)
- Hellweg, C., Baumstark-Khan, C., & Berger, T., “*Towards Space Exploration of Moon, Mars & Neos: Radiation Biological Basis*”, 2018cosp...42E1427H [ADS](#)
- Hassler, D. M., Berger, T., Reitz, G., et al., “*Implications of the September 2017 Solar Particle Event for Human Exploration of Mars*”, 2018cosp...42E1393H [ADS](#)
- Ehresmann, B., Berger, T., Reitz, G., et al., “*The september 2017 solar energetic particle event observed by MSL/RAD on the surface of mars*”, 2018cosp...42E.966E [ADS](#)
- Ehresmann, B., Berger, T., Reitz, G., et al., “*Radiation measurements and dosimetry for deep-space exploration*”, 2018cosp...42E.965E [ADS](#)
- Burmeister, S., Berger, T., Matthiä, D., & Bruedern, M., “*The DOSIS 3D Project Onboard the International Space Station -Analysis of the Solar Particle Event in September 2017*”, 2018cosp...42E.473B [ADS](#)
- Berger, T., “*The DOSIS 3D Project Onboard the International Space Station - Status and Science Overview of 6 years of measurements (2012 - 2018)*”, 2018cosp...42E.295B [ADS](#)
- Berger, T., Hellweg, C., Uchihori, Y., & Matthiä, D., “*Space Radiation and Human Exploration on the Moon, Mars and Neos - Dosimetry, Models and Challenges*”, 2018cosp...42E.294B [ADS](#)
- Berger, T., Hillier, A., & Liu, W., “*Three-dimensional Velocity Measurements in Solar Prominence Bubbles and Combined Kelvin-Helmholtz/Rayleigh-Taylor Instability*”, 2018cosp...42E.293B [ADS](#)

- Baker, D. N., Thayer, J., & Berger, T., "Space Weather - Technology, Research, and Education Center (SWx-TREC)", 2018cosp...42E.164B [ADS](#)
- Zeitlin, C., Hassler, D. M., Guo, J., et al., "Analysis of the Radiation Hazard Observed by RAD on the Surface of Mars During the September 2017 Solar Particle Event", 2018GeoRL..45.5845Z [ADS](#)
- Ehresmann, B., Hassler, D. M., Zeitlin, C., et al., "Energetic Particle Radiation Environment Observed by RAD on the Surface of Mars During the September 2017 Event", 2018GeoRL..45.5305E [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Signal yields of keV electronic recoils and their discrimination from nuclear recoils in liquid xenon", 2018PhRvD..97i2007A [ADS](#)
- Wimmer-Schweingruber, R. F., Zhang, S., Hellweg, C. E., et al., "The Lunar Lander Neutron and Dosimetry (LND) Experiment on Chang'e4", 2018LPI....49.1413W [ADS](#)
- Berger, T. E., Baker, D. N., & Woods, T. N., "Space Weather Research and Operational Observing from a Cis-Lunar Deep Space Gateway", 2018LPICo2063.3147B [ADS](#)
- Losekamm, M. J. & Berger, T., "Low-Energy Cosmic Rays: Radiation Environment Studies and Astrophysics on the Deep Space Gateway", 2018LPICo2063.3108L [ADS](#)
- Kennedy, S. O., Dunn, A., Lecomte, J., et al., "Alamos: An International Collaboration to Provide a Space Based Environmental Monitoring Solution for the Deep Space Network", 2018LPICo2063.3069K [ADS](#)
- Gaza, R., Hussein, H., Murrow, D., et al., "Matroshka AstroRad Radiation Experiment (MARE) on the Deep Space Gateway", 2018LPICo2063.3042G [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Search for bosonic super-WIMP interactions with the XENON100 experiment", 2017PhRvD..9612002A [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "The XENON1T dark matter experiment", 2017EPJC...77..881A [ADS](#)
- Hamran, S. E., Amundsen, H. E. F., Berger, T., et al., "Results from Field Testing the RIMFAX GPR on Svalbard", 2017AGUFM.P23G..07H [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "First Dark Matter Search Results from the XENON1T Experiment", 2017PhRvL.119r1301A [ADS](#)
- Berger, T., Hillier, A., & Liu, W., "Quiescent Prominence Dynamics Observed with the Hinode Solar Optical Telescope. II. Prominence Bubble Boundary Layer Characteristics and the Onset of a Coupled Kelvin-Helmholtz Rayleigh-Taylor Instability", 2017ApJ...850...60B [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Search for magnetic inelastic dark matter with XENON100", 2017JCAP...10..039A [ADS](#)
- Matthiä, D. & Berger, T., "Modelling the radiation on the Martian surface", 2017EPSC...11..655M [ADS](#)
- XENON Collaboration, Aprile, E., Aalbers, J., et al., "Intrinsic backgrounds from Rn and Kr in the XENON100 experiment", 2017arXiv170803617X [ADS](#)
- Berger, T. & Hillier, A., "Prominence Bubble Shear Flows and the Coupled Kelvin-Helmholtz - Rayleigh-Taylor Instability", 2017SPD....4820103B [ADS](#)
- Liu, W., Antolin, P., Sun, X., Vial, J.-C., & Berger, T., "The Fate of Cool Material in the Hot Corona: Solar Prominences and Coronal Rain", 2017SPD....4810501L [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Effective field theory search for high-energy nuclear recoils using the XENON100 dark matter detector", 2017PhRvD..96d2004A [ADS](#)
- Trotter, A. S., Reichart, D. E., Egger, R. E., et al., "The fading of Cassiopeia A, and improved models for the absolute spectrum of primary radio calibration sources", 2017MNRAS.469.1299T [ADS](#)
- Matthiä, D. & Berger, T., "The radiation environment on the surface of Mars - Numerical calculations of the galactic component with GEANT4/PLANETOCOSMICS", 2017LSSR...14...57M [ADS](#)
- Matthiä, D., Hassler, D. M., de Wet, W., et al., "The radiation environment on the surface of Mars - Summary of model calculations and comparison to RAD data", 2017LSSR...14...18M [ADS](#)
- Narici, L., Berger, T., Burmeister, S., et al., "Exploiting different active silicon detectors in the International Space Station: ALTEA and DOSTEL galactic cosmic radiation (GCR) measurements", 2017JWSC...7A..18N [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Search for WIMP inelastic scattering off xenon nuclei with XENON100", 2017PhRvD..96b2008A [ADS](#)
- Wimmer-Schweingruber, R. F., Zhang, S., Hellweg, C. E., et al., "The Lunar Lander Neutron and Dosimetry (LND) Experiment on Chang'e4", 2017LPI....48.1320W [ADS](#)
- Berger, T., Burmeister, S., Matthiä, D., et al., "DOSIS & DOSIS 3D: radiation measurements with the DOSTEL instruments onboard the Columbus Laboratory of the ISS in the years 2009-2016", 2017JWSC...7A...8B [ADS](#)
- Moeller, R., Raguse, M., Leuko, S., et al., "STARLIFE - An International Campaign to Study the Role of Galactic Cosmic Radiation in Astrobiological Model Systems", 2017AsBio..17..101M [ADS](#)
- The XENON collaboration, Aprile, E., Aalbers, J., et al., "Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data", 2017arXiv170100769T [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "XENON100 dark matter results from a combination of 477 live days", 2016PhRvD..9412001A [ADS](#)
- Wimmer-Schweingruber, R. F., Yu, J., Hellweg, C., et al., "LND for Chang'e 4 Mission", 2016AGUFMSM51A2465W [ADS](#)
- Liu, W., Antolin, P., Sun, X., et al., "Probing the Physical Connection between Solar Prominences and Coronal Rain", 2016AGUFMSH43C2587L [ADS](#)
- Berger, T. E., Pevtsov, A. A., Martínez-Pillet, V., et al., "Blending of Ground- and Space-Based Magnetograms: Application to L1-L5 Solar Wind and Coronal Hole Predictions", 2016AGUFMSH11C2241B [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Low-mass dark matter search using ionization signals in XENON100", 2016PhRvD..94i2001A [ADS](#)
- Berger, T., Przybyla, B., Matthiä, D., et al., "DOSIS & DOSIS 3D: long-term dose monitoring onboard the Columbus Laboratory of the International Space Station (ISS)", 2016JWSC...6A..39B [ADS](#)
- Aalbers, J., Agostini, F., Alfonsi, M., et al., "DARWIN: towards the ultimate dark matter detector", 2016JCAP...11..017A [ADS](#)
- Liu, W., Antolin, P., Sun, X., et al., "Joint SDO and IRIS Observations of a Novel, Hybrid Prominence-Coronal Rain Complex", 2016usc..confE..99L [ADS](#)
- Hamran, S. E., Amundsen, H. E. F., Asak, L., et al., "The RIMFAX GPR Instrument Development for the Mars 2020 Rover Mission", 2016LPICo1980..4031H [ADS](#)
- Reinard, A., Berger, T., Marble, A., & Hill, F., "Transitioning GONG data processing to NOAA SWPC operations", 2016shin.confE..26R [ADS](#)
- Onsager, T., Biesecker, D. A., Berger, T., & Rutledge, R., "Data and Models Needed to Support Civil Aviation", 2016cosp...41E14690 [ADS](#)
- Hellweg, C., Baumstark-Khan, C., Berger, T., & Reitz, G., "Towards Space Exploration of Moon, Mars Neos: Radiation Biological Basis", 2016cosp...41E.825H [ADS](#)
- Berger, T., "Experience Transitioning Models and Data at the NOAA Space Weather Prediction Center", 2016cosp...41E.181B [ADS](#)
- Berger, T., Singer, H., Onsager, T., et al., "Operational Space Weather Activities in the US", 2016cosp...41E.180B [ADS](#)
- Reinard, A., Marble, A. R., & Berger, T., "Transitioning GONG data processing to NOAA SWPC operations", 2016SPD....47.0205R [ADS](#)
- Aprile, E., Aalbers, J., Agostini, F., et al., "Physics reach of the XENON1T dark matter experiment.", 2016JCAP...04..027A [ADS](#)
- Matthiä, D., Ehresmann, B., Lohf, H., et al., "The Martian surface radiation environment - a comparison of models and MSL/RAD measurements", 2016JWSC...6A..13M [ADS](#)
- Labrenz, J., Burmeister, S., Berger, T., Heber, B., & Reitz, G., "Matroshka DOSTEL measurements onboard the International Space Station (ISS)", 2015JWSC...5A..38L [ADS](#)
- Berger, T. E., "Fifty Years of Space Weather Forecasting from Boulder", 2015AGUFMSM13F..01B [ADS](#)
- Reinard, A., Marble, A., Hill, F., & Berger, T. E., "Transitioning GONG data processing to NOAA SWPC operations", 2015AGUFMSH21B2394R [ADS](#)
- Berger, T. E., "The Future of Operational Space Weather Observations", 2015AGUFMSH12A..03B [ADS](#)
- Hellweg, C. E., Dilrubha, S., Adrian, A., et al., "Space experiment "Cellular Responses to Radiation in Space (CELLRAD)": Hardware and biological system tests", 2015LSSR....7...73H [ADS](#)
- Berger, T., Viereck, R., Singer, H., et al., "Characteristics of Operational Space Weather Forecasting: Observations and Models", 2015TESS....111204B [ADS](#)
- Liu, W., De Pontieu, B., Vial, J.-C., et al., "First High-resolution Spectroscopic Observations of an Erupting Prominence Within a Coronal Mass Ejection by the Interface Region Imaging Spectrograph (IRIS)", 2015ApJ...803...85L [ADS](#)
- Webster, C. R., Mahaffy, P. R., Atreya, S. K., et al., "Mars methane detection and variability at Gale crater", 2015Sci...347..415W [ADS](#)
- Chishti, A. A., Hellweg, C. E., Berger, T., et al., "Constitutive expression of *td-Tomato* protein as a cytotoxicity and proliferation marker for space radiation biology", 2015LSSR....4...35C [ADS](#)
- Berger, T., Hajek, M., & Bilski, P., "Cosmic radiation exposure of biological test systems during the EXPOSE-R mission", 2015IJAsB..14...27B [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., "GRB 150318A: Skynet PROMPT-CTIO Observations", 2015GCN.17605...1T [ADS](#)
- Trotter, A., Reichart, D., Lacluyze, A., et al., "GRB 150314A: Skynet Yerkes-41 Observations of the Optical Afterglow:", 2015GCN.17577...1T [ADS](#)
- Trotter, A., Reichart, D., Lacluyze, A., et al., "GRB 150212A: Skynet DSO14/GORT observations.", 2015GCN.17458...1T [ADS](#)
- Cottin, H., Saiagh, K., Nguyen, D., et al., "Photochemical studies in low Earth orbit for organic compounds related to small bodies, Titan and Mars. Current and future facilities.", 2015BSRSL..84...60C [ADS](#)

- Herbst, K., Labrenz, J., Kopp, A., et al., "Estimating the temporal cutoff-rigidity variations and their implication on manned space missions", 2014AGUFMMS31A4156H [ADS](#)
- Liu, W., De Pontieu, B., Okamoto, T. J., et al., "First High-resolution Spectroscopic Observations by IRIS of a Fast, Helical Prominence Eruption Associated with a Coronal Mass Ejection", 2014AGUFMSH1D..04L [ADS](#)
- Rimmele, T., Berger, T., McMullin, J., et al., "The Daniel K. Inouye Solar Telescope: A Project Update", 2014amos.confE..43R [ADS](#)
- De Pontieu, B., Title, A. M., Lemen, J. R., et al., "The Interface Region Imaging Spectrograph (IRIS)", 2014SoPh..289.2733D [ADS](#)
- McMullin, J. P., Rimmele, T. R., Martínez Pillet, V., et al., "Construction status of the Daniel K. Inouye Solar Telescope", 2014SPIE.9145E..25M [ADS](#)
- Liu, W., Antolin, P., Sun, X., & Berger, T. E., "Evidence of Magnetic Reconnection Involving Partially Ionized Coronal Rain near Null Points Observed by SDO/AIA and IRIS", 2014shin.confE..50L [ADS](#)
- Liu, W., Berger, T., Antolin, P., & Schrijver, K., "IRIS Observations of Coronal Rain and Prominences: Return Flows of the Chromosphere-Corona Mass Cycle", 2014AAS...22431303L [ADS](#)
- Berger, T., Liu, W., Hillier, A., Scullion, E., & Low, B. C., "The Rayleigh-Taylor Instability and the role of Prominences in the Chromosphere-Corona Mass Cycle", 2014AAS...22421201B [ADS](#)
- Reitz, G., Matthiae, D., Berger, T., et al., "Dose and dose equivalent and related risk during a cruise to Mars", 2014EGUGA..1616162R [ADS](#)
- Matthiae, D., Herbst, K., Heber, B., Berger, T., & Reitz, G., "Be Production in the Atmosphere by Galactic Cosmic Rays", in B. Heber, J. Kóta, and R. von Steiger (Eds.), Cosmic Rays in the Heliophere. Series: Space Sciences Series of ISSI, Vol. 43, 333–342 2014crh..book..333M [ADS](#)
- Straube, U. & Berger, T., "European Crew Personal Active Dosimeter (EuCPAD), a novel dosimetry system utilizing operational and scientific synergies for the benefit of humans in space", 2014cosp...40E3215S [ADS](#)
- Stradi, A., Berger, T., Kodaira, S., et al., "Dose Measurements on the BION-M1 satellite applying passive detector packages", 2014cosp...40E3214S [ADS](#)
- Ritter, B., Berger, T., Reitz, G., et al., "Development of a New Radiation Sensor for Satellite Missions", 2014cosp...40E2748R [ADS](#)
- Burmeister, S., Berger, T., Reitz, G., et al., "Long term dose monitoring onboard the European Columbus module of the international space station (ISS) in the frame of DOSIS and DOSIS 3D project - results from the active instruments", 2014cosp...40E.434B [ADS](#)
- Berger, T., Reardon, K., Elmore, D., et al., "Future Diagnostic Capabilities: The 4-meter Daniel K. Inouye Solar Telescope", 2014cosp...40E.294B [ADS](#)
- Berger, T., "Introduction to session F2.3 "Space Radiation Dosimetry: Measurements and Models, Detector Development and Groundbased Characterisation", 2014cosp...40E.293B [ADS](#)
- Berger, T., "Long term dose monitoring onboard the European Columbus module of the International Space Station (ISS) in the frame of the DOSIS and DOSIS 3D project", 2014cosp...40E.292B [ADS](#)
- Hassler, D. M., Zeitlin, C., Wimmer-Schweingruber, R. F., et al., "Mars' Surface Radiation Environment Measured with the Mars Science Laboratory's Curiosity Rover", 2014Sci...343D.386H [ADS](#)
- Liu, W., Berger, T. E., & Low, B. C., "Coronal Condensation in Funnel Prominences as Return Flows of the Chromosphere-Corona Mass Cycle", 2014IAUS..300..441L [ADS](#)
- Rimmele, T., Berger, T., Casini, R., et al., "Prominence Science with ATST Instrumentation", 2014IAUS..300..362R [ADS](#)
- Berger, T., "Solar Prominence Fine Structure and Dynamics", 2014IAUS..300..15B [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141221A: Continued Skynet PROMPT-CTIO observations.", 2014GCN.17221....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141221A: Skynet PROMPT-CTIO observations of the optical afterglow.", 2014GCN.17210....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141212A: Skynet R-COP Observations.", 2014GCN.17161....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141017A: Skynet PROMPT-CTIO/SSO Observations.", 2014GCN.17028....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141022A: Skynet PROMPT-CTIO Observations.", 2014GCN.17023....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141031A: Skynet PROMPT-CTIO Observations.", 2014GCN.17004....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 141026A: Skynet PROMPT-CTIO/Yerkes-41 Observations.", 2014GCN.16967....1T [ADS](#)
- Trotter, A., Lacluyze, A., Haislip, J., et al., "GRB 140518A: Skynet GORT Detections of the Optical Afterglow.", 2014GCN.16304....1T [ADS](#)
- Trotter, A., Haislip, J., Lacluyze, A., et al., "GRB 140301A: skynet R-COP observations.", 2014GCN.15897....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 140213A: continued skynet R-COP/PROMPT observations of the optical afterglow.", 2014GCN.15862....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 140213A: continued skynet R-COP/PROMPT detections of a rebrightening optical afterglow.", 2014GCN.15859....1T [ADS](#)
- Lacluyze, A., Haislip, J., Reichart, D., et al., "GRB 140215A: continued skynet PROMPT observations of the optical afterglow.", 2014GCN.15858....1L [ADS](#)
- Lacluyze, A., Haislip, J., Reichart, D., et al., "GRB140215A: skynet PROMPT optical observations.", 2014GCN.15840....1L [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 140213A: skynet R-COP detection of optical afterglow.", 2014GCN.15828....1T [ADS](#)
- Trotter, A., Reichart, D., Verveer, A., et al., "Correction: MAXI J1421-613: skynet PROMPT/R-COP observations.", 2014GCN.15755....1T [ADS](#)
- Trotter, A., Reichart, D., Verveer, A., et al., "GRB 140118A/MAXI J1421-613: skynet PROMPT/R-COP observations.", 2014GCN.15753....1T [ADS](#)
- Vigier, F., Le Postollec, A., Coussot, G., et al., "Preparation of the Biochip experiment on the EXPOSE-R2 mission outside the International Space Station", 2013AdSpR..52.2168V [ADS](#)
- Mrigakshi, A. I., Matthiae, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R. F., "Estimation of Galactic Cosmic Ray exposure inside and outside the Earth's magnetosphere during the recent solar minimum between solar cycles 23 and 24", 2013AdSpR..52..979M [ADS](#)
- Matthiae, D., Berger, T., & Reitz, G., "Organ shielding and doses in Low-Earth orbit calculated for spherical and anthropomorphic phantoms", 2013AdSpR..52..528M [ADS](#)
- Berger, T. & ATST Science Team, "The ATST Instrumentation suite: capabilities, synergies, and science goals", 2013SPD....4440002B [ADS](#)
- McMullin, J. P., Rimmele, T. R., Warner, M., Berger, T., & Keil, S. L., "The Advanced Technology Solar Telescope Construction Status Report", 2013SPD....4440001M [ADS](#)
- Liu, W., Berger, T., & Low, B. C., "Funnel Prominences as Return Flows of the Chromosphere-Corona Mass Cycle: SDO/AIA Observations of Coronal Condensation", 2013SPD....44...42L [ADS](#)
- Matthiae, D., Herbst, K., Heber, B., Berger, T., & Reitz, G., "Be Production in the Atmosphere by Galactic Cosmic Rays", 2013SSRv..176..333M [ADS](#)
- Rimmele, T., Berger, T., McMullin, J., et al., "The Advanced Technology Solar Telescope: Science Drivers and Construction Status", 2013EGUGA..15.6305R [ADS](#)
- Hillier, A., Berger, T., Shibata, K., & Isobe, H., "Simulations of the Dynamics of the Magnetic Rayleigh-Taylor Instability in Solar Prominences", 2013ASPC..474..147H [ADS](#)
- Roudier, T., Rieutord, M., Prat, V., et al., "Comparison of solar horizontal velocity fields from SDO/HMI and Hinode data", 2013A&A...552A.113R [ADS](#)
- Mrigakshi, A. I., Matthiae, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R. F., "How Galactic Cosmic Ray models affect the estimation of radiation exposure in space", 2013AdSpR..51..825M [ADS](#)
- Matthiae, D., Berger, T., Mrigakshi, A. I., & Reitz, G., "A ready-to-use galactic cosmic ray model", 2013AdSpR..51..329M [ADS](#)
- Labrenz, J., Berger, T., Burmeister, S., Heber, B., & Reitz, G., "On MATROSHKA/DOSTEL Data Interpretation", 2013ICRC...33.2302L [ADS](#)
- Möller, T., Berger, T., Böttcher, S., et al., "The Calibration of the Flight Radiation Environment Detector (FRED)", 2013ICRC...33.1977M [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., "GRB 131117A: skynet PROMPT optical detection of an afterglow.", 2013GCN.15491....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 131024A: skynet R-COP optical observations.", 2013GCN.15369....1T [ADS](#)
- Frank, N., Trotter, A., Reichart, D., et al., "GRB 131004A: skynet PROMPT/DSO-14 upper limits.", 2013GCN.15317....1F [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., "GRB 130919A: skynet PROMPT-CTIO optical upper limits.", 2013GCN.15235....1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., "GRB 130912A: skynet DSO-14/Yerkes-41/PROMPT-CTIO observations.", 2013GCN.15218....1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., "GRB 130907A: skynet DSO-14/Yerkes-41/GORT confirmation of a fading afterglow.", 2013GCN.15193....1T [ADS](#)
- Trotter, A., Haislip, J., Lacluyze, A., et al., "GRB 130907A: skynet DSO-14/Yerkes-41 detections of a possible afterglow.", 2013GCN.15191....1T [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., "GRB 130831A: continued Skynet/PROMPT-SSO, PROMPT-CTIO and Yerkes-41 detections.", 2013GCN.15164....1T [ADS](#)
- Trotter, A., Haislip, J., Lacluyze, A., et al., "GRB 130831A: Skynet/PROMPT-SSO detections.", 2013GCN.15148....1T [ADS](#)
- Trotter, A., Reichart, D., Lacluyze, A., et al., "GRB 130719A: Skynet/PROMPT observations.", 2013GCN.15030....1T [ADS](#)
- Trotter, A., Reichart, D., McLin, K., et al., "GRB 130722A: Skynet/GORT observations.", 2013GCN.15017....1T [ADS](#)

- Carroll, M., Trotter, A., Haislip, J., et al., “GRB 130612A: continued Skynet/PROMPT/GORT/DSO observations.”, 2013GCN.14914...1C [ADS](#)
- Frank, N., Trotter, A., Haislip, J., et al., “GRB 130615A: continued Skynet/PROMPT observations.”, 2013GCN.14909...1F [ADS](#)
- Frank, N., Trotter, A., Haislip, J., et al., “GRB 130615A: Skynet/PROMPT observations.”, 2013GCN.14901...1F [ADS](#)
- Trotter, A., Haislip, J., Reichart, D., et al., “GRB 130612A: Skynet/PROMPT detection of the optical afterglow.”, 2013GCN.14877...1T [ADS](#)
- Trotter, A., Haislip, J., Lacluyze, A., et al., “GRB 130610A: Skynet/PROMPT detection of the optical afterglow.”, 2013GCN.14844...1T [ADS](#)
- Trotter, A., Lacluyze, A., Reichart, D., et al., “GRB 130606A: continued Skynet/PROMPT observations.”, 2013GCN.14826...1T [ADS](#)
- Trotter, A., Lacluyze, A., Reichart, D., et al., “GRB 130606A: Skynet/PROMPT detection of the optical afterglow.”, 2013GCN.14815...1T [ADS](#)
- Trotter, A., Lacluyze, A., Reichart, D., et al., “GRB 130605A: continued Skynet/PROMPT observations.”, 2013GCN.14778...1T [ADS](#)
- Trotter, A., Lacluyze, A., Reichart, D., et al., “GRB 130605A: Skynet/PROMPT detection of a fading afterglow.”, 2013GCN.14776...1T [ADS](#)
- James, D., Foster, C., Taylor, P., et al., “GRB 130521A: Skynet/PROMPT detection of an extremely red afterglow.”, 2013GCN.14713...1J [ADS](#)
- James, D., Foster, C., Taylor, P., et al., “GRB 130521A: Skynet/PROMPT observations.”, 2013GCN.14697...1J [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., “GRB 130427A: skynet detections of a possible supernova.”, 2013GCN.14662...1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., “GRB 130514A: Skynet/PROMPT/DSO detections.”, 2013GCN.14648...1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., “GRB 130427A: ten nights of Skynet/PROMPT/GORT observations.”, 2013GCN.14608...1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., “GRB 130427A: continued Skynet/PROMPT observations.”, 2013GCN.14510...1T [ADS](#)
- Trotter, A., Reichart, D., Haislip, J., et al., “GRB 130427A: Skynet/PROMPT observations.”, 2013GCN.14497...1T [ADS](#)
- Trotter, A., Frank, N., Lacluyze, A., et al., “GRB 130420A: continued Skynet/GORT Observations/Detections.”, 2013GCN.14445...1T [ADS](#)
- Trotter, A., Frank, N., Lacluyze, A., et al., “Skynet/GORT observations of GRB130420A.”, 2013GCN.14427...1T [ADS](#)
- de Vera, J.-P., Boettger, U., Noetzel, R. d. l. T., et al., “Supporting Mars exploration: BIOMEX in Low Earth Orbit and further astrobiological studies on the Moon using Raman and PanCam technology”, 2012P&SS...74..103D [ADS](#)
- Reitz, G., Berger, T., & Matthiae, D., “Radiation exposure in the moon environment”, 2012P&SS...74..78R [ADS](#)
- Berger, T., “Science with Large Solar Telescopes: Addressing Key Science Questions with New Observing Modes”, 2012IAUSS...6E.201B [ADS](#)
- Berger, T., “The Prominence/Coronal Cavity System: A Unified View of Magnetic Structures in the Solar Corona”, 2012ASPC..463..147B [ADS](#)
- , “2nd ATST-EAST Workshop in Solar Physics: Magnetic Fields from the Photosphere to the Corona”, 2012ASPC..463....R [ADS](#)
- Mrigakshi, A. I., Matthiä, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R. F., “Assessment of Galactic Cosmic Ray Models and Implications on the Estimation of Radiation Exposure in Space”, 2012AGUFMSM23B2309M [ADS](#)
- Ritter, B., Marsalek, K., Berger, T., et al., “The Mobile Dosimetric Telescope - A Small Size Active Personal Dosimeter for Application at High Altitudes and Onboard the International Space Station”, 2012AGUFMSM23B2308R [ADS](#)
- Berger, T. E., Liu, W., & Low, B. C., “SDO/AIA Detection of Solar Prominence Formation within a Coronal Cavity”, 2012ApJ...758L..37B [ADS](#)
- Wülser, J.-P., Title, A. M., Lemen, J. R., et al., “The interface region imaging spectrograph for the IRIS Small Explorer mission”, 2012SPIE.8443E..08W [ADS](#)
- Low, B. C., Liu, W., Berger, T., & Casini, R., “The Hydromagnetic Interior of a Solar Quiescent Prominence. II. Magnetic Discontinuities and Cross-field Mass Transport”, 2012ApJ...757..21L [ADS](#)
- Hillier, A., Isobe, H., Shibata, K., & Berger, T., “Numerical Simulations of the Magnetic Rayleigh-Taylor Instability in the Kippenhahn-Schlüter Prominence Model. II. Reconnection-triggered Downflows”, 2012ApJ...756..110H [ADS](#)
- Mrigakshi, A. I., Matthiä, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R. F., “Assessment of galactic cosmic ray models”, 2012JGRA..117.8109M [ADS](#)
- Low, B. C., Berger, T., Casini, R., & Liu, W., “The Hydromagnetic Interior of a Solar Quiescent Prominence. I. Coupling between Force Balance and Steady Energy Transport”, 2012ApJ...755..34L [ADS](#)
- Puchalska, M., Sihver, L., Sato, T., Berger, T., & Reitz, G., “Simulations of MATROSHKA experiment outside the ISS using PHITS”, 2012AdSpR..50..489P [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., Title, A., & Tarbell, T., “Plasma Instabilities in Quiescent Prominences”, 2012ASPC..454..143R [ADS](#)
- Hurlburt, N. & Berger, T., “Simulations of Buoyant Plumes in Solar Prominences”, 2012ASPC..454..137H [ADS](#)
- Berger, T., “Quiescent Prominence Dynamics: An Update on Hinode/SOT Discoveries”, 2012ASPC..454..79B [ADS](#)
- Roudier, T., Rieutord, M., Rincon, F., et al., “The Power Spectrum of the Solar Surface Flows from Hinode Data and First Observations with MOF/CALAS Pic-du-Midi”, 2012ASPC..454..47R [ADS](#)
- Vigier, F., Cottin, H., Dobrijevic, M., et al., “Presentation of the Biochip experiment on the EXPOSE-R2 facility aboard the International Space Station”, 2012cosp...39.2091V [ADS](#)
- Uchihori, Y., Ploc, O., Yasuda, N., et al., “Intercomparison of luminescence detectors for space radiation dosimetry within Proton-ICCHIBAN experiments”, 2012cosp...39.2025U [ADS](#)
- Ritter, B., Berger, T., Reitz, G., et al., “The Mobile Dosimetric Telescope (MDT) - Development of a small size active personal dosimeter for application at high altitudes and onboard the International Space Station”, 2012cosp...39.1615R [ADS](#)
- Isha Mrigakshi, A., Matthiä, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R., “Simulations of the radiation exposure outside and inside the Earth’s magnetosphere”, 2012cosp...39.1286I [ADS](#)
- Isha Mrigakshi, A., Matthiä, D., Berger, T., Reitz, G., & Wimmer-Schweingruber, R., “Assessment of Galactic Cosmic Ray Models”, 2012cosp...39.1285I [ADS](#)
- Möller, T., Berger, T., Ehresmann, B., et al., “Altitude Dependence of the Dose Rate From Ground up to the Stratosphere”, 2012cosp...39.1266M [ADS](#)
- Hellweg, C., Baumstark-Khan, C., Schmitz, C., et al., “Biological Weighting of Depth Dose Distribution in a Heavy Ion Exposed Phantom Head”, 2012cosp...39..745H [ADS](#)
- Burmeister, S., Berger, T., Reitz, G., et al., “The DOSIS and DOSIS 3D Experiments onboard the International Space Station - Results from the Active DOSTEL Instruments”, 2012cosp...39..261B [ADS](#)
- Berger, T., “MATROSHKA - Results from the exposure inside the Japanese KIBO Module - and comparison with previous missions”, 2012cosp...39..147B [ADS](#)
- Malherbe, J. M., Roudier, T., Rieutord, M., Berger, T., & Franck, Z., “Acoustic Events in the Solar Atmosphere from Hinode/SOT NFI Observations”, 2012SoPh..278..241M [ADS](#)
- Berger, T., Hajek, M., Bilski, P., et al., “Cosmic Radiation Exposure of Biological Test Systems During the EXPOSE-E Mission”, 2012AsBio..12..387B [ADS](#)
- Hillier, A., Berger, T., Shibata, K., & Isobe, H., “Simulations of the Magnetic Rayleigh-Taylor Instability in the Kippenhahn-Schlüter Prominence Model”, 2012ASPC..456..157H [ADS](#)
- Roudier, T., Malherbe, J., Rieutord, M., et al., “Some Dynamic Analysis of the Photosphere from Hinode/SOT and SDO/HMI Observations”, 2012ASPC..456..65R [ADS](#)
- Okamoto, T. J., Tsuneta, S., Berger, T. E., & Lites, B. W., “Emergence of Twisted Flux in Prominence Observations”, 2012ASPC..455..1230 [ADS](#)
- Berger, T., “The Rayleigh-taylor Instability In The Solar Corona: Prominence Coronal-cavity Interactions And The Evolution To Eruptive States”, 2012AAS...22050801B [ADS](#)
- Liu, W., Berger, T., & Low, B. C., “SDO/AIA Observations of Sustained Coronal Condensation in Prominences as Return Flows of the Chromosphere-Corona Mass Cycle”, 2012AA...22020708L [ADS](#)
- Roudier, T., Rieutord, M., Malherbe, J. M., et al., “Quasi full-disk maps of solar horizontal velocities using SDO/HMI data”, 2012A&A...540A..88R [ADS](#)
- Liu, W., Berger, T., & Low, B. C., “SDO/AIA Observations of Sustained Coronal Condensation and Mass Drainage in Prominences as Return Flows of the Chromosphere-Corona Mass Cycle”, 2012decs.confE..90L [ADS](#)
- Low, B. C., Berger, T., Casini, R., & Liu, W., “The Hydromagnetic Nature of Quiescent Prominences”, 2012decs.confE..84L [ADS](#)
- Berger, T., “The Prominence/Coronal Cavity Connection: using Hinode, AIA, and IRIS to explore the source of quiet-Sun CMEs”, 2012decs.confE..29B [ADS](#)
- Hillier, A., Berger, T., Isobe, H., & Shibata, K., “Numerical Simulations of the Magnetic Rayleigh-Taylor Instability in the Kippenhahn-Schlüter Prominence Model. I. Formation of Upflows”, 2012ApJ...746..120H [ADS](#)
- Liu, W., Berger, T. E., & Low, B. C., “First SDO/AIA Observation of Solar Prominence Formation Following an Eruption: Magnetic Dips and Sustained Condensation and Drainage”, 2012ApJ...745L..21L [ADS](#)
- Berger, T. E., “Quiescent Prominences, Coronal Cavities, and Coronal Mass Ejections: a unified systems viewpoint”, 2011AGUFMSH33A2034B [ADS](#)
- Hillier, A. S., Berger, T. E., Shibata, K., & Isobe, H., “Simulations of the magnetic Rayleigh-Taylor instability in a quiescent prominence model to study the dark upflows observed in prominences”, 2011AGUFMSH33A2033H [ADS](#)
- Hillier, A., Isobe, H., Shibata, K., & Berger, T., “Numerical Simulations of the Magnetic Rayleigh-Taylor Instability in the Kippenhahn-Schlüter Prominence Model”, 2011ApJ...736L..1H [ADS](#)

- Ryutova, M. P., Frank, Z., Hagenaar, H., & Berger, T., “*Flares Producing Well-organized Post-flare Arcades (Slinkies) Have Early Precursors*”, [2011ApJ...733..125R ADS](#)
- Liu, W., Berger, T., Low, B. C., & Casini, R., “*SDO/AIA Observations of Coronal Condensation Leading to Prominence Formation*”, [2011SPD...42.2119L ADS](#)
- Berger, T., “*Filaments and Prominence Research with the Advanced Technology Solar Telescope*”, [2011SPD...42.0802B ADS](#)
- Berger, T., Testa, P., Hillier, A., et al., “*Magneto-thermal convection in solar prominences*”, [2011Natur.472..197B ADS](#)
- Haerendel, G. & Berger, T., “*A Droplet Model of Quiescent Prominence Downflows*”, [2011ApJ...731..82H ADS](#)
- Liu, W., Berger, T. E., Title, A. M., Tarbell, T. D., & Low, B. C., “*Chromospheric Jet and Growing “Loop” Observed by Hinode: New Evidence of Fan-spine Magnetic Topology Resulting from Flux Emergence*”, [2011ApJ...728..103L ADS](#)
- Hillier, A. S., Isobe, H., Shibata, K., & Berger, T. E., “*MHD simulations of quiescent prominence upflows in the Kippenhahn-Schlüter prominence model*”, [2011ASInC...2..331H ADS](#)
- Kucera, T. A., Berger, T. E., Boerner, P., et al., “*Space Based Observations of Coronal Cavities in Conjunction with the Total Solar Eclipse of July 2010*”, [2010AGUFMSH51A1666K ADS](#)
- Okamoto, T. J., Tsuneta, S., & Berger, T. E., “*A rising cool column associated with formation of prominence and coronal cavity*”, [2010AGUFMSH51A16650 ADS](#)
- Ryutova, M., Berger, T. E., & Title, A. M., “*Greenhouse effect in quiescent prominences*”, [2010AGUFMSH51A1664R ADS](#)
- Berger, T. E., Tarbell, T. D., Schrijver, C. J., et al., “*Coordinated observations of solar prominences with Hinode/SOT and SDO/AIA*”, [2010AGUFMSH21C..04B ADS](#)
- Ryutova, M., Berger, T., Frank, Z., Tarbell, T., & Title, A., “*Observation of Plasma Instabilities in Quiescent Prominences*”, [2010SoPh..267...75R ADS](#)
- Gustafsson, K., Sihver, L., Mancusi, D., et al., “*PHITS simulations of the Matroshka experiment*”, [2010AdSpR..46.1266G ADS](#)
- Reitz, G. & Berger, T., “*HAMLET-Human Model MATROSHKA for Radiation Exposure Determination of Astronauts*”, [2010OLEB...40..601R ADS](#)
- de la Torre, R., Sancho, L. G., Horneck, G., et al., “*High Survival of Rock Inhabiting Photosynthetic Organisms in a Simulated Interplanetary Transfer*”, [2010OLEB...40..539D ADS](#)
- de la Torre, R., Sancho, L. G., Horneck, G., et al., “*Survival of lichens and bacteria exposed to outer space conditions - Results of the Lithopanspermia experiments*”, [2010Icar..208..735D ADS](#)
- Okamoto, T. J., Tsuneta, S., & Berger, T. E., “*A Rising Cool Column as a Signature of Helical Flux Emergence and Formation of Prominence and Coronal Cavity*”, [2010ApJ...719..5830 ADS](#)
- Lites, B. W., Kubo, M., Berger, T., et al., “*Emergence of Helical Flux and the Formation of an Active Region Filament Channel*”, [2010ApJ...718..474L ADS](#)
- Moeller, R., Reitz, G., Berger, T., et al., “*Astrobiological Aspects of the Mutagenesis of Cosmic Radiation on Bacterial Spores*”, [2010AsBio..10..509M ADS](#)
- Berger, T. E., Slater, G., Hurlburt, N., et al., “*Quiescent Prominence Dynamics Observed with the Hinode Solar Optical Telescope. I. Turbulent Upflow Plumes*”, [2010ApJ...716.1288B ADS](#)
- Labrenz, J., Burmeister, S., Berger, T., et al., “*Quasistable radiation belt in the slot region*”, [2010EGUGA..1210920L ADS](#)
- Liu, W., Berger, T., Title, A. M., Tarbell, T. D., & DeRosa, M., “*Direct Imaging of an Emerging Flux Rope and a Resulting Chromospheric Jet Observed by Hinode*”, [2010AAS...21640307L ADS](#)
- Moeller, R., Berger, T., Matthiä, D., et al., “*Inside the Meteorite - Bacterial Spore Survival After Exposure to Galactic Cosmic Radiation*”, [2010LPICo1538.5218M ADS](#)
- Rieutord, M., Roudier, T., Rincon, F., et al., “*On the power spectrum of solar surface flows*”, [2010A&A...512A..4R ADS](#)
- Moeller, R., Berger, T., Matthiä, D., et al., “*Bacterial spore survival after exposure to HZE particle bombardment -implication for the lithopanspermia hypothesis.*”, [2010cosp...38.3313M ADS](#)
- Horwacik, T., Bilski, P., Koerner, C., et al., “*Determination of nuclear tracks parameters on sequentially etched PADIC detectors*”, [2010cosp...38.3227H ADS](#)
- Matthiä, D., Berger, T., Puchalska, M., & Reitz, G., “*Simulation of the radiation exposure in space during a large solar energetic particle event with GEANT4*”, [2010cosp...38.3226M ADS](#)
- Dönsdorf, E. M., Burmeister, S., Heber, B., Benton, E., & Berger, T., “*Dosimetry of charged and neutral particles onboard a stratospheric balloon*”, [2010cosp...38.3225D ADS](#)
- Kato, Z., Reitz, G., Berger, T., et al., “*HAMLET -Matroshka IIA and IIB experiments aboard the ISS: comparison of organ doses*”, [2010cosp...38.3219K ADS](#)
- Idestrom, J. O., Hendrik Anken, R., Reitz, G., et al., “*Dosimetry and Vibration measurements in BIOLAB and EMCS (Dos-Vibe)*”, [2010cosp...38.3217I ADS](#)
- Uchihori, Y., Yasuda, N., Kitamura, H., et al., “*Preparation and Current Situation of Proton-ICCHIBAN-2 Experiment*”, [2010cosp...38.3208U ADS](#)
- Berger, T., Matthiä, D., Koerner, C., et al., “*Depth dose distribution study within a phantom torso after irradiation with a simulated Solar Particle Event at NSRL*”, [2010cosp...38.3205B ADS](#)
- Beck, P., Rollet, S., Berger, T., et al., “*MATSIM -The Development and Validation of a Numerical Voxel Model based on the MATROSHKA Phantom*”, [2010cosp...38.3204B ADS](#)
- Puchalska, M., Sihver, L., Sato, T., Berger, T., & Reitz, G., “*Simulations of MATROSHKA experiments at ISS using PHITS*”, [2010cosp...38.3203P ADS](#)
- Reitz, G., Berger, T., Bilski, P., et al., “*HAMLET -Human Model MATROSHKA for Radiation Exposure Determination of Astronauts -Current status and results*”, [2010cosp...38.3202R ADS](#)
- Casolino, M., Picozza, P., Narici, L., et al., “*Relative nuclear abundances in ISS with Altecriss experiment*”, [2010cosp...38.3199C ADS](#)
- Burmeister, S., Berger, T., Beaujean, R., et al., “*The DOSIS -Experiment onboard the Columbus Laboratory of the International Space Station -First Mission Results from the Active DOSTEL Instruments*”, [2010cosp...38.3195B ADS](#)
- Reitz, G., Berger, T., Kürner, C., et al., “*The DOSIS -Experiment onboard the Columbus Laboratory of the International Space Station -Overview and first mission results*”, [2010cosp...38.3194R ADS](#)
- Straube, U., Berger, T., Reitz, G., et al., “*Space activities and radiation protection of crew members*”, [2010cosp...38.3193S ADS](#)
- Haerendel, G. & Berger, T., “*A droplet model for downflows in hedgerow prominences*”, [2010cosp...38.2915H ADS](#)
- Hillier, A., Shibata, K., Isobe, H., & Berger, T., “*MHD simulations of upflows in the Kippenhahn-Schlüter prominence model*”, [2010cosp...38.2914H ADS](#)
- Berger, T., Okamoto, T., & Schmieder, B., “*Hinode/SOT Measurements of Flows and Waves in Solar Prominences*”, [2010cosp...38.2913B ADS](#)
- Liu, W., Berger, T. E., Title, A. M., & Tarbell, T. D., “*An Intriguing Chromospheric Jet Observed by Hinode: Fine Structure Kinematics and Evidence of Unwinding Twists*”, [2009ApJ...707L..37L ADS](#)
- Ryutova, M., Berger, T., Frank, Z., & Title, A., “*Response of the Chromosphere to Penumbral Dynamics: Bow Shocks and Microjets*”, [2009ASPC..415..373R ADS](#)
- Ryutova, M., Berger, T., & Title, A., “*Sunspot Penumbrae: Formation and Fine Structure*”, [2009ASPC..415..361R ADS](#)
- Reardon, K. P., Rimmelle, T., Tritschler, A., et al., “*Service-Mode Observations for Ground-Based Solar Physics*”, [2009ASPC..415..332R ADS](#)
- Ryutova, M., Frank, Z., & Berger, T., “*Formation and Dynamics of Multi-thread Arcades of Coronal Loops*”, [2009ASPC..415..291R ADS](#)
- Roudier, T., Rincon, F., Rieutord, M., et al., “*Supergranulation, Network Formation, and TFGs Evolution from Hinode Observations*”, [2009ASPC..415..203R ADS](#)
- de Toma, G., Casini, R., Berger, T. E., et al., “*Observations of Large-Scale Dynamic Bubbles in Prominences*”, [2009ASPC..415..163D ADS](#)
- Berger, T., “*Hinode/SOT Observations of Quiescent Prominence Dynamics*”, [2009ASPC..415..109B ADS](#)
- Berger, T. E., “*High Resolution Observations of Solar Quiescent Prominences with the Hinode Solar Optical Telescope: an Open Challenge to 21st Century Ground-based Solar Telescopes (Invited)*”, [2009AGUFMSH53B..06B ADS](#)
- Liu, W., Berger, T. E., Title, A. M., & Tarbell, T. D., “*Fine Structures and Kinematics of an Intriguing Chromospheric Jet Observed by Hinode Solar Optical Telescope*”, [2009AGUFMSH51A1266L ADS](#)
- Berger, T. E. & Haerendel, G., “*ON THE DOWNFLOWS IN HEDGEROW PROMINENCES*”, [2009AGUFMSH44A..07B ADS](#)
- Frank, Z., Ryutova, M., Berger, T. E., Title, A. M., & Tarbell, T. D., “*Role of the Resistive and Thermal Instabilities in Dynamics of Quiescent Prominences*”, [2009AGUFMSH41B1653F ADS](#)
- Shine, R. A., Ryutova, M., Berger, T. E., et al., “*Helical Shape and Twisting Motion as Intrinsic Properties of Penumbral Filaments*”, [2009AGUFMSH23B1541S ADS](#)
- Ryutova, M., Berger, T. E., Tarbell, T. D., Frank, Z., & Title, A. M., “*Origin of Filamentary Structures and Flows in Quiescent Prominences*”, [2009AGUFMSH23B1540R ADS](#)
- Rettberg, P., Rabbow, E., Möller, R., et al., “*The Experiment LIFE-SPORES under Development for the Phobos-Grunt Mission*”, [2009OLEB...39..83R ADS](#)

- Matthiä, D., Heber, B., Reitz, G., et al., "Temporal and spatial evolution of the solar energetic particle event on 20 January 2005 and resulting radiation doses in aviation", 2009JGRA..114.8104M [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "Has Hinode Revealed the Missing Turbulent Flux of the Quiet Sun?", 2009ASPC..405..173L [ADS](#)
- Ichimoto, K., Suematsu, Y., Katsukawa, Y., et al., "A New View of Fine Scale Dynamics and Magnetism of Sunspots Revealed by Hinode/SOT", 2009ASPC..405..167I [ADS](#)
- DeForest, C., Rimmele, T., Berger, T., & Peterson, J., "First Results from a Novel Magnetograph (SHAZAM)", 2009SPD....40.3301D [ADS](#)
- Hurlburt, N. E. & Berger, T., "Simulations Of Buoyant Plumes In Solar Prominences", 2009SPD....40.1009H [ADS](#)
- Berger, T. & Hurlburt, N., "Prominence Bubbles and Plumes: Thermo-magnetic Buoyancy in Coronal Cavity Systems", 2009SPD....40.1007B [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Prominence Formation Associated with an Emerging Helical Flux Rope", 2009ApJ...697..9130 [ADS](#)
- Roudier, T., Rieutord, M., Brito, D., et al., "Mesoscale dynamics on the Sun's surface from HINODE observations", 2009A&A...495..945R [ADS](#)
- Ayres, T., Uitenbroek, H., Cauzzi, G., et al., "The Solar Chromosphere: Old Challenges, New Frontiers", 2009astro2010S...9A [ADS](#)
- Ryutova, M., Berger, T., Frank, Z., & Title, A., "On the Penumbral Jetlike Features and Chromospheric Bow Shocks", 2008ApJ...686.1404R [ADS](#)
- Heinzel, P., Schmieder, B., Fárník, F., et al., "Hinode, TRACE, SOHO, and Ground-based Observations of a Quiescent Prominence", 2008ApJ...686.1383H [ADS](#)
- de Wijn, A. G., Lites, B. W., Berger, T. E., et al., "Hinode Observations of Magnetic Elements in Internetwork Areas", 2008ApJ...684.1469D [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "Magnetic Fields of the Quiet Sun: A New Quantitative Perspective From Hinode", 2008ASPC..397..17L [ADS](#)
- Ichimoto, K., Katsukawa, Y., Tarbell, T., et al., "On-orbit Performance of the Solar Optical Telescope aboard Hinode", 2008ASPC..397....5I [ADS](#)
- Katsukawa, Y., Jurcak, J., Ichimoto, K., et al., "Photospheric Signature of Penumbral Microjets", 2008AGUSMSP53A..03K [ADS](#)
- Berger, T., Okamoto, J., Slater, G., et al., "Quiescent Prominence Structure and Dynamics: a new View From the Hinode/SOT", 2008AGUSMSP53A..01B [ADS](#)
- Deforest, C. E., Lamb, D. A., Berger, T., et al., "The Small-Scale Field Measured With Hinode/SOT and Feature Tracking: Where is the mixed-polarity flux?", 2008AGUSMSP51D..01D [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Emergence of a helical flux rope and prominence formation", 2008AGUSMSP43B..060 [ADS](#)
- Ryutova, M., Berger, T., Lites, B., Title, A., & Frank, Z., "Evershed Flows as an Integral Part of Penumbral Formation and its Fine Structure", 2008AGUSMSP41B..07R [ADS](#)
- Berger, T., "Magnetic Fields in the Photosphere: Professor Parker's Contributions to our Understanding of Surface Activity on the Sun", 2008AGUSMSP33A..02B [ADS](#)
- Nagata, S., Tsuneta, S., Suematsu, Y., et al., "Formation of Solar Magnetic Flux Tubes with Kilogauss Field Strength Induced by Convective Instability", 2008ApJ...677L.145N [ADS](#)
- Ryutova, M., Berger, T., & Title, A., "On the Fine Structure and Formation of Sunspot Penumbrae", 2008ApJ...676.1356R [ADS](#)
- Berger, T. E., Shine, R. A., Slater, G. L., et al., "Hinode SOT Observations of Solar Quiescent Prominence Dynamics", 2008ApJ...676L..89B [ADS](#)
- Okamoto, T. J., Tsuneta, S., Lites, B. W., et al., "Emergence of a Helical Flux Rope under an Active Region Prominence", 2008ApJ...673L.2150 [ADS](#)
- Panasenco, O., Velli, M., & Berger, T., "Vertical plasma motions in prominence sheets observed by Hinode", 2008cosp...37.2337P [ADS](#)
- Berger, T., Reitz, G., Hajek, M., et al., "Depth dose distributions measured with thermoluminescence detectors inside the anthropomorphic torso of the MATROSHKA experiment inside and outside the ISS", 2008cosp...37..257B [ADS](#)
- Casolino, M., Minori, M., Picozza, P., et al., "The Alcriss project on board the International Space Station", 2008ICRC....1.489C [ADS](#)
- Lites, B. W., Kubo, M., Socas-Navarro, H., et al., "The Horizontal Magnetic Flux of the Quiet-Sun Internetwork as Observed with the Hinode Spectro-Polarimeter", 2008ApJ...672.1237L [ADS](#)
- Katsukawa, Y., Berger, T. E., Ichimoto, K., et al., "Small-Scale Jetlike Features in Penumbral Chromospheres", 2007Sci...318.1594K [ADS](#)
- Shibata, K., Nakamura, T., Matsumoto, T., et al., "Chromospheric Anemone Jets as Evidence of Ubiquitous Reconnection", 2007Sci...318.1591S [ADS](#)
- Okamoto, T. J., Tsuneta, S., Berger, T. E., et al., "Coronal Transverse Magnetohydrodynamic Waves in a Solar Prominence", 2007Sci...318.15770 [ADS](#)
- Berger, T., Shine, R., Slater, G., et al., "Hinode SOT observations of plume upflows and cascading downflows in quiescent solar prominences", 2007AGUFMSH53A1065B [ADS](#)
- Ryutova, M., Berger, T., Tarbell, T., Frank, Z., & Title, A., "On the Chromospheric Micro-jets Associated with the Penumbral Filaments", 2007AGUFMSH22A0843R [ADS](#)
- Sterling, A. C., Moore, R. L., Berger, T. E., et al., "Hinode Observations of the Onset Stage of a Solar Filament Eruption", 2007PASJ...59S.823S [ADS](#)
- Isobe, H., Kubo, M., Minoshima, T., et al., "Flare Ribbons Observed with G-band and FeI 6302Å Filters of the Solar Optical Telescope on Board Hinode", 2007PASJ...59S.807I [ADS](#)
- Sekii, T., Kosovichev, A. G., Zhao, J., et al., "Initial Helioseismic Observations by Hinode/SOT", 2007PASJ...59S.637S [ADS](#)
- Katsukawa, Y., Yokoyama, T., Berger, T. E., et al., "Formation Process of a Light Bridge Revealed with the Hinode Solar Optical Telescope", 2007PASJ...59S.577K [ADS](#)
- Lites, B., Socas-Navarro, H., Kubo, M., et al., "Hinode Observations of Horizontal Quiet Sun Magnetic Flux and the "Hidden Turbulent Magnetic Flux", 2007PASJ...59S.571L [ADS](#)
- Ryutova, M., Berger, T., Tarbell, T., Frank, Z., & Title, A., "Penumbra Dynamics and its Manifestation in the Overlying Chromosphere", 2007APS..DPPV8056R [ADS](#)
- Berger, T. E., Title, A. M., Tarbell, T., et al., "What are 'Faculae'?", 2007ASPC..369..103B [ADS](#)
- Shimizu, T., Kubo, M., Tarbell, T. D., et al., "Estimate on SOT Light Level in Flight with Throughput Measurements in SOT Sun Tests", 2007ASPC..369..51S [ADS](#)
- Berger, T. E., Rouppe van der Voort, L., & Löfdahl, M., "Contrast Analysis of Solar Faculae and Magnetic Bright Points", 2007ApJ...661.1272B [ADS](#)
- Berger, T., Tarbell, T., Slater, G., et al., "Hinode/SOT Observations Of Apparent "Thermal Plume" Motions In A Solar Prominence", 2007AAS..210.9433B [ADS](#)
- Okamoto, T., Tsuneta, S., Katsukawa, Y., et al., "Discovery Of Cool Cloud-like Structures In The Corona With Hinode Solar Optical Telescope", 2007AAS..210.94260 [ADS](#)
- Katsukawa, Y., Tsuneta, S., Suematsu, Y., et al., "Chromospheric Micro-jets Discovered Above Sunspot Penumbrae", 2007AAS..210.9413K [ADS](#)
- De Wijn, A., Lites, B., Berger, T., et al., "Magnetic Patches in Internetwork Quiet Sun", 2007AAS..210.9412D [ADS](#)
- Hurlburt, N. E., Berger, T., Ichimoto, K., & SOT Team, "Hinode Observations of Umbral Dots", 2007AAS..210.9409H [ADS](#)
- Lites, B. W., Socas-Navarro, H., Berger, T., et al., "Ubiquitous Horizontal Magnetic Fields in the Quiet Solar Photosphere as Revealed by HINODE Measurements", 2007AAS..210.6303L [ADS](#)
- Brooks, D. H., Kurokawa, H., & Berger, T. E., "An H α Surge Provoked by Moving Magnetic Features near an Emerging Flux Region", 2007ApJ...656.1197B [ADS](#)
- Casolino, M., Altamura, F., Minoru, M., et al., "The Alcriss project on board the International Space Station", 2007AdSpR..40.1746C [ADS](#)
- Ramos-Stierle, F., Soto, K., Basri, G., et al., "Correction of MDI Full-Disk Magnetograms for Limb Angle Effects by the Assumption of Average Magnetic Uniformity", 2006AGUFMSH11A0375R [ADS](#)
- Lewis, T., Soto, K., Basri, G., et al., "Sunspot Contrast Measurements from MDI Full-Disk Images: Variations with Disk Position and Solar Cycle Phase", 2006AGUFMSH11A0374L [ADS](#)
- Soto, K., Basri, G., Ramos-Stierle, F., et al., "Continuum Contrast as a function of Magnetic Flux Density and Disk Position: Results from a full Solar Cycle of SOHO/MDI data", 2006AGUFMSH11A0373S [ADS](#)
- Uitenbroek, H., Tritschler, A., An, H. K., & Berger, T., "The visible-light broadband imager for ATST: preliminary design", 2006SPIE.6269E..61U [ADS](#)
- Kozu, H., Kitai, R., Brooks, D. H., et al., "Horizontal and Vertical Flow Structure in Emerging Flux Regions", 2006PASJ...58..407K [ADS](#)
- Uchihori, Y., Benton, E. R., Yasuda, N., et al., "Status of NSRL-ICCHIBAN, ICCHIBAN-7 and -8 and future ICCHIBAN experiments", 2006cosp...36.3567U [ADS](#)
- Hajek, M., Berger, T., Fugger, M., & Vana, N., "Performance of novel polymer shields aboard the ESA Biopan-5 mission", 2006cosp...36.2292H [ADS](#)
- Reitz, G., & Berger, T., "The MATROSHKA Facility - History and science overview", 2006cosp...36.2259R [ADS](#)
- Berger, T., Meier, M., Reitz, G., & Schridde, M., "Dose distribution in a human phantom onboard aircraft", 2006cosp...36.2257B [ADS](#)
- Berger, T., Reitz, G., Hajek, M., & Vana, N., "Comparison of various techniques for the exact determination of absorbed dose in heavy ion fields using passive detectors", 2006AdSpR..37.1716B [ADS](#)
- Hajek, M., Berger, T., Fugger, M., et al., "BRADOS Dose determination in the Russian Segment of the International Space Station", 2006AdSpR..37.1664H [ADS](#)
- Langhans, K., Scharmer, G. B., Kiselman, D., Löfdahl, M. G., & Berger, T. E., "Inclination of magnetic fields and flows in sunspot penumbrae", 2005A&A...436.1087L [ADS](#)
- Berger, T., "Solar Magnetic Flux as a Function of Disk Position over the Solar Cycle", 2005AGUSMSP41B..07B [ADS](#)

- Rimmele, T., Balasubramaniam, K., Berger, T., et al., “First-Light Instrumentation for the Advanced Technology Solar Telescope”, [2005AGUSMSP34A..03R](#) [ADS](#)
- Berger, T. E., Rouppe van der Voort, L., & Lofdahl, M. G., “High resolution magnetogram measurements of solar faculae”, [2005AGUSMSP31A..02B](#) [ADS](#)
- Lawrence, J. K., Cadavid, A. C., McIntosh, S. W., & Berger, T. E., “Magnetic Topology and Wave Propagation in the Solar Atmosphere”, [2005AGUSMSH13C..01L](#) [ADS](#)
- Rouppe van der Voort, L. H. M., Hansteen, V. H., Carlsson, M., et al., “Solar magnetic elements at 0.1 arcsec resolution. II. Dynamical evolution”, [2005A&A...435..327R](#) [ADS](#)
- Lin, Y., Engvold, O., der Voort, L. R. v., Wiik, J. E., & Berger, T. E., “Thin Threads of Solar Filaments”, [2005SoPh..226..239L](#) [ADS](#)
- Berger, T. E. & Title, A. M., “Recent Progress in High-Resolution Observations”, [2004ASPC..325..95B](#) [ADS](#)
- Berger, T. E., Rouppe van der Voort, L. H. M., Lofdahl, M. G., et al., “Solar magnetic elements at 0.1 arcsec resolution. General appearance and magnetic structure”, [2004A&A...428..613B](#) [ADS](#)
- Rimmele, T. R., Hubbard, R. P., Balasubramaniam, K. S., et al., “Instrumentation for the Advanced Technology Solar Telescope”, [2004SPIE.5492..944R](#) [ADS](#)
- Lites, B. W., Scharmer, G. B., Berger, T. E., & Title, A. M., “Three-Dimensional Structure of the Active Region Photosphere as Revealed by High Angular Resolution”, [2004SoPh..221..65L](#) [ADS](#)
- Berger, T. E., Rouppe van der Voort, L. H. M., Lofdahl, M. G., et al., “Observations of solar magnetic elements with 0.1” resolution”, [2004AAS...204.2005B](#) [ADS](#)
- Berger, T., Reitz, G., Hajek, M., & Vana, N., “Comparison of various techniques for the exact determination of absorbed dose in heavy ion fields using passive detectors”, [2004cosp..35.4425B](#) [ADS](#)
- Hajek, M., Berger, T., Fuerstner, M., et al., “BRADOS - Dose determination in the Russian segment of the International Space Station”, [2004cosp..35.1950H](#) [ADS](#)
- Berger, T., Hajek, M., Summerer, L., et al., “Austrian dose measurements onboard space station MIR and the International Space Station - overview and comparison”, [2004AdSpR..34.1414B](#) [ADS](#)
- Lawrence, J. K., Cadavid, A. C., Miccolis, D., Berger, T. E., & Ruzmaikin, A., “Influence of Photospheric Magnetic Fields and Dynamics on Chromospheric K-Line Emission”, [2003ApJ...597.1178L](#) [ADS](#)
- Brooks, D. H., Kurokawa, H., Yoshimura, K., Kozu, H., & Berger, T. E., “A study of the causal relationship between the emergence of a twisted magnetic flux rope and a small Hα two-ribbon flare”, [2003A&A...411..273B](#) [ADS](#)
- Carpenter, K., Hassler, D., Berger, T., et al., “Future Capabilities for Solar/Stellar Observations”, [2003csss..12..359C](#) [ADS](#)
- Berger, T. E. & Berdyugina, S. V., “The Observation of Sunspot Light-Bridge Structure and Dynamics”, [2003ApJ...589L.117B](#) [ADS](#)
- Berger, T. E., Lofdahl, M. G., Scharmer, G., & Title, A. M., “Observations of magnetoconvection in Sunspots with 100 km resolution”, [2003SPD...34.1108B](#) [ADS](#)
- Lawrence, J. K., Cadavid, A. C., Miccolis, D., Berger, T. E., & Ruzmaikin, A., “Influence of Photospheric Magnetism and Dynamics on Chromospheric K-line Emission”, [2003SPD...34.0704L](#) [ADS](#)
- Cadavid, A. C., Lawrence, J. K., Berger, T. E., & Ruzmaikin, A., “Photospheric Sources of Chromospheric Dynamics in the Internetwork”, [2003SPD...34.0703C](#) [ADS](#)
- Berger, T. E. & Lites, B. W., “Weak-Field Magnetogram Calibration using Advanced Stokes Polarimeter Flux Density Maps - II. SOHO/MDI Full-Disk Mode Calibration”, [2003SoPh..213..213B](#) [ADS](#)
- Cadavid, A. C., Lawrence, J. K., Berger, T. E., & Ruzmaikin, A., “Photospheric Sources and Brightening of the Internetwork Chromosphere”, [2003ApJ...586.1409C](#) [ADS](#)
- Lites, B. W. & Berger, T. E., “Intensity tracers of the magnetic field: pitfalls and opportunities”, [2002ESASP.505..57L](#) [ADS](#)
- Berger, T. E. & Lites, B. W., “Weak-Field Magnetogram Calibration using Advanced Stokes Polarimeter Flux-Density Maps - I. Solar Optical Universal Polarimeter Calibration”, [2002SoPh..208..181B](#) [ADS](#)
- Berger, T. E., Lofdahl, M. G., & Bercik, D. J., “Observation and Modelling of Micropore Formation in Active Network Regions”, [2002AAS...200.9101B](#) [ADS](#)
- Cadavid, A. C., Lawrence, J. K., & Berger, T. E., “High Resolution Spatio-Temporal Study of Photospheric and Chromospheric Energetics”, [2002AAS...200.3809C](#) [ADS](#)
- Bell, E., Cadavid, A. C., Lawrence, J. K., & Berger, T. E., “Mesogranulation from Principal Component Analysis of SVST Photospheric Continuum Images”, [2002AAS...200.3805B](#) [ADS](#)
- Lawrence, J., Cadavid, A., Ruzmaikin, A., & Berger, T., “Observations of the Structure of small scale photospheric fields”, [2002ocnd.confE..26L](#) [ADS](#)
- Berger, T., “Small-scale solar magnetic dynamics”, [2002ocnd.confE..2B](#) [ADS](#)
- Berger, T., Hajek, M., Summerer, L., et al., “Austrian radiation dose measurements onboard space station mir and the international space station iss - overview and comparison”, [2002cosp...34E2588B](#) [ADS](#)
- Lites, B. W., Elmore, D. F., Streander, K. V., et al., “Precision spectropolarimeter for high-resolution observations of solar magnetic fields”, [2001SPIE.4498..73L](#) [ADS](#)
- Lofdahl, M. G., Berger, T. E., & Seldin, J. H., “Two dual-wavelength sequences of high-resolution solar photospheric images captured over several hours and restored by use of phase diversity”, [2001A&A...377.1128L](#) [ADS](#)
- Lawrence, J. K., Cadavid, A. C., Ruzmaikin, A., & Berger, T. E., “Spatiotemporal Scaling of Solar Surface Flows”, [2001PhRvL..86.5894L](#) [ADS](#)
- Berger, T. E. & Title, A. M., “On the Relation of G-Band Bright Points to the Photospheric Magnetic Field”, [2001ApJ...553..449B](#) [ADS](#)
- Berger, T., Lites, B., Martinez-Pillet, V., Tarbell, T., & Title, A., “Intercomparison of SOUP, ASP, LPSP, and MDI magnetograms”, [2001AGUSM..SP51B12B](#) [ADS](#)
- Berger, T. E.: 2001, *High Resolution Observations and Modeling of Small-Scale Solar Magnetic Elements*, Technical Report, HRMSS-99-01 [2001STIN..0132415B](#) [ADS](#)
- Sekii, T., Shibahashi, H., Kosovichev, A. G., et al., “Local-area helioseismology by SOT on-board Solar-B”, [2001ESASP.464..327S](#) [ADS](#)
- Korendyke, C. M., Vourlidas, A., Cook, J. W., et al., “In-flight performance of the Very high Angular resolution Ultraviolet Telescope sounding rocket payload”, [2000SPIE.4139..340K](#) [ADS](#)
- Martens, P. C. H., Kankelborg, C. C., & Berger, T. E., “On the Nature of the ‘Moss’ Observed by TRACE”, [2000ApJ...537..471M](#) [ADS](#)
- Berger, T., “The Solar Photosphere”, [2000astu.confE..4B](#) [ADS](#)
- Berger, T. E., Title, A. M., Tarbell, T. D., Lites, B. W., & Elmore, D. F., “The Solar-B Focal Plane Package”, [2000SPD...31.0292B](#) [ADS](#)
- De Pontieu, B., Berger, T. E., Schrijver, C. J., & Title, A. M., “Dynamics of Transition Region ‘Moss’ at high time resolution”, [1999SoPh..190..419D](#) [ADS](#)
- Berger, T. E., De Pontieu, B., Fletcher, L., et al., “What is Moss?”, [1999SoPh..190..409B](#) [ADS](#)
- Schrijver, C. J., Title, A. M., Berger, T. E., et al., “A new view of the solar outer atmosphere by the Transition Region and Coronal Explorer”, [1999SoPh..187..261S](#) [ADS](#)
- Berger, T. E., De Pontieu, B., Schrijver, C. J., & Title, A. M., “High-resolution Imaging of the Solar Chromosphere/Corona Transition Region”, [1999ApJ...519L..97B](#) [ADS](#)
- Lites, B. W., Rutten, R. J., & Berger, T. E., “Dynamics of the Solar Chromosphere. II. Ca II H_2V and K_2V Grains versus Internetwork Fields”, [1999ApJ...517.1013L](#) [ADS](#)
- Berger, T. E., de Pontieu, B., Schrijver, C. J., & Title, A. M., “Dynamics of Transition Region Moss”, [1999AAS...194.7901B](#) [ADS](#)
- de Pontieu, B., Berger, T. E., Fletcher, L., Schrijver, C. J., & Title, A. M., “Dynamics and Plasma Diagnostics of Transition Region ‘Moss’ using SOHO/CDS, TRACE and SVST (La Palma)”, [1999AAS...194.7804D](#) [ADS](#)
- Levy, M., Berger, T., Rosenberg, W., et al., “The Solar-B Solar Optical Telescope Focal Plane Package”, [1999AAS...194.7610L](#) [ADS](#)
- Berger, T., de Pontieu, B., Schrijver, C., Title, A., & Scharmer, G., “Coordinated Observations of Transition Region Dynamics using TRACE and the SVST”, [1999ASPC..183..365B](#) [ADS](#)
- Rutten, R. J., Lites, B. W., Berger, T. E., & Shine, R. A., “Dynamics of the Quiet Solar Chromosphere”, [1999ASPC..158..249R](#) [ADS](#)
- Berger, T. E., Lofdahl, M. G., Shine, R. A., & Title, A. M., “Measurements of Solar Magnetic Element Dispersal”, [1998ApJ...506..439B](#) [ADS](#)
- Berger, T. E., Lofdahl, M. G., Shine, R. S., & Title, A. M., “Measurements of Solar Magnetic Element Motion from High-Resolution Filtergrams”, [1998ApJ...495..973B](#) [ADS](#)
- Shine, R., Strous, L., Simon, G., et al., “Comparison of Granulation Correlation Tracking (CT) and Feature Tracking (FT) Results from SOHO/MDI and the Swedish Vacuum Solar Telescope on La Palma”, [1997SPD...28.0262S](#) [ADS](#)
- Sakai, J. I., Ryutova, M., Schrijver, K., et al., “On the Dynamics of Magnetic Flux Concentrations in Quiet Photospheric Network”, [1997SPD...28.0260S](#) [ADS](#)
- Berger, T. E., Lofdahl, M. G., Shine, R. A., & Title, A. M., “Measurements of Magnetic Element Dynamics in the Network”, [1997SPD...28.0219B](#) [ADS](#)
- Lofdahl, M. G., Berger, T. E., Shine, R. A., & Title, A. M., “Phase-Diversity Restoration of two Simultaneous 70-minute Photospheric Sequences”, [1997SPD...28.0218L](#) [ADS](#)
- Berger, T. E.: 1997, *Observation and Analysis of Small-Scale Solar Magnetic Structure*, Ph.D. thesis, Stanford University, California [1997PhDT.....14B](#) [ADS](#)

- Sakai, J. I., Ryutova, M., Schrijver, K., et al., “*On the dynamics of magnetic flux concentrations in quiet photospheric network.*”, 1997BAAS...29T.904S [ADS](#)
- Title, A. M. & Berger, T. E., “*Double-Gaussian Models of Bright Points or Why Bright Points Are Usually Dark*”, 1996ApJ...463..797T [ADS](#)
- Berger, T. E. & Title, A. M., “*On the Dynamics of Small-Scale Solar Magnetic Elements*”, 1996ApJ...463..365B [ADS](#)
- Berger, T., “*Observation and Analysis of Small-scale Solar Magnetic Structure*”, 1996AAS...188.3312B [ADS](#)
- Berger, T. E., Schrijver, C. J., Shine, R. S., et al., “*Motion and Evolution of Solar Magnetic Elements*”, 1995AAS...18710104B [ADS](#)
- Berger, T. E., Schrijver, C. J., Shine, R. A., et al., “*New Observations of Subarc-second Photospheric Bright Points*”, 1995ApJ...454..531B [ADS](#)
- Shine, R. A., Tarbell, T., Title, A., et al., “*Frame Selection Techniques for Solar Movies*”, 1995SPD....26..506S [ADS](#)
- Berger, T., Schrijver, C., Shine, R., et al., “*Properties of Sub-Arcsecond Facular Bright Points*”, 1995SPD....26..505B [ADS](#)
- Berger, T., Shine, R., Tarbell, T., Title, A., & Scharmer, G., “*On the Relation Between Facular Bright Points and the Magnetic Field*”, 1994AAS...185.8607B [ADS](#)
- Timothy, J. G., Bergamini, P., Berger, T. E., Bumala, R. W., & Slater, D. C., “*Performance characteristics of the MAMA detectors for the SUMER instrument on the SOHO Mission*”, 1993SPIE.2006..69T [ADS](#)
- Timothy, J. G., Bergamini, P., Berger, T. E., et al., “*Stanford MAMA detector characterization facility*”, 1993SPIE.2006..59T [ADS](#)
- Naletto, G., Perin, M., Tondello, G., et al., “*Spectroscopic characterization of the EUV toroidal grating for the HiRES rocket*”, 1993SPIE.2006..22N [ADS](#)
- Berger, T. E., Timothy, J. G., Walker, A. B. C., J., et al., “*The High Resolution Extreme-Ultraviolet Spectroheliometer (HiRES) Experiment: Capabilities and Observing Goals*”, 1993BAAS...25.1209B [ADS](#)
- Berger, T., Bergamini, P., Kirby, H., et al., “*HiRES: High Resolution Extreme Ultraviolet Spectroheliometer*”, 1993uxrs.conf..289B [ADS](#)
- Bergamini, P., Berger, T. E., Giarett, G., et al., “*An imaging extreme ultraviolet spectrometer*”, 1993uxrs.conf..285B [ADS](#)
- Baker, P., Bergamini, P., Berger, T., & Timothy, J. G., “*Interferometric methods for assessment of toroidal diffraction grating performance*”, 1993SPIE.1742..453B [ADS](#)
- Berger, T. E., Timothy, J. G., Walker, Arthur B. C., J., et al., “*Design and test of a High-Resolution EUV Spectroheliometer*”, 1992SPIE.1546..446B [ADS](#)
- Timothy, J. G., Berger, T. E., Morgan, J. S., et al., “*HiRES: a high-resolution stigmatic extreme ultraviolet spectroheliometer for studies of the fine-scale structure of the solar chromosphere, transition region, and corona.*”, 1991OptEn..30.1142T [ADS](#)
- Timothy, J. G., Berger, T. E., Morgan, J. S., et al., “*High-resolution stigmatic EUV spectroheliometer for studies of the fine scale structure of the solar chromosphere, transition region, and corona*”, 1991SPIE.1343..350T [ADS](#)