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

Brchnelova, M., Kuźma, B., Perri, B., Lani, A., & Poedts, S., *"To E or not to E: Numerical Nuances of Global Coronal Models"*, 2022arXiv220904481B ADS

Perri, B., Leitner, P., Brchnelova, M., et al., *"COCONUT, a Novel Fast-converging MHD Model for Solar Corona Simulations: I. Benchmarking and Optimization of Polytropic Solutions"*, 2022ApJ...936...19P ADS

Hosteaux, S., Rodriguez, L., & Poedts, S., *"Analysis of Voyager 1 and Voyager 2 in situ CME observations"*, 2022AdSpR..70.1684H ADS

Verbeke, C., Schmieder, B., Démoulin, P., et al., *"Over-expansion of coronal mass ejections modelled using 3D MHD EUHFORIA simulations"*, 2022AdSpR..70.1663V ADS

Maharana, A., Isavnin, A., Scolini, C., et al., *"Implementation and validation of the FRi3D flux rope model in EUHFORIA"*, 2022AdSpR..70.1641M ADS

Kieokaew, R., Bourdarie, S., Grison, B., et al., *"Modeling the propagation of solar disturbances to Earth for the EU H2020 SafeSpace project"*, 2022cosp...44.3444K ADS

Poedts, S. & Heynderickx, D., *"The ESA Virtual Space Weather Modelling Centre"*, 2022cosp...44.3342P ADS

Daglis, I. A., Bourdarie, S., Santolik, O., et al., *"Improving the Predictions of the Outer Van Allen Belt Dynamics"*, 2022cosp...44.3338D ADS

Ding, Z., Li, G., Wijsen, N., & Poedts, S., *"Modelling the 2020 November 29 solar energetic particle event using the EUHFORIA and the iPATH model"*, 2022cosp...44.3299D ADS

Pinto, R., Bourdarie, S., Daglis, I. A., et al., *"Real-time modelling and forecasting of solar wind disturbances from their cradle"*, 2022cosp...44.3219P ADS

Schmieder, B., Dasso, S., Grison, B., et al., *"Pressure balance of coronal mass ejections during their Sun-Earth journey modelled by 3D MHD EUHFORIA simulations"*, 2022cosp...44.2474S ADS

Prete, G., Carbone, V., Wijsen, N., et al., *"EUHFORIA modeling of slow CMEs with well-defined magnetic signatures"*, 2022cosp...44.2467P ADS

Perri, B., Poedts, S., & Schmieder, B., *"Impact of the solar activity cycle on the propagation of ICMEs"*, 2022cosp...44.2444P ADS

Maharana, A., Poedts, S., & Linan, L., *"On the comparison of flux rope CME models in EUHFORIA"*, 2022cosp...44.2439M ADS

Linan, L., Keppens, R., Maharana, A., Poedts, S., & Schmieder, B., *"Implementation of the Soloviev equilibrium as a new CME model in EUHFORIA"*, 2022cosp...44.2431L ADS

Lazar, M., Fichtner, H., Poedts, S., et al., *"Relaxation of electron beams/strahls in solar outflows: observations vs. modeling"*, 2022cosp...44.1668L ADS

López, R. A., Lapenta, G., Zhukov, A., et al., *"Kinetic firehose instabilities under the interplay of electrons and protons in the solar wind"*, 2022cosp...44.1658L ADS

Jebaraj, I., Krupar, V., Kouloumvakos, A., Magdalenic, J., & Poedts, S., *"On the effect of propagation direction on observed intensity of radio emission"*, 2022cosp...44.1548J ADS

Jebaraj, I., Krupar, V., Magdalenic, J., Krasnoselskikh, V., & Poedts, S., *"Generation of fine structures in interplanetary type III radio bursts"*, 2022cosp...44.1525J ADS

Samara, E., Rodriguéz, L., Magdalenic, J., et al., *"Calibrating the WSA velocity formula in EUHFORIA based on PSP measurements"*, 2022cosp...44.1417S ADS

Maharana, A., Scolini, C., Poedts, S., & Schmieder, B., *"Modelling the geoeffectiveness of the CME-CME interaction event of early September 2014"*, 2022cosp...44.1391M ADS

Poedts, S. & Heynderickx, D., *"The ESA Virtual Space Weather Modelling Centre-Part 3"*, 2022cosp...44.1372P ADS

Baratashvili, T., Verbeke, . C., & Poedts, S., *"Validation of the Linear-Force-Free Spheromak ICME model in Icarus"*, 2022cosp...44.1371B ADS

Pavai Valliappan, S., Rodriguéz, L., Magdalenic, J., Samara, E., & Poedts, S., *"Employing PSP observations to calibrate near-Sun solar wind modelling by EUHFORIA"*, 2022cosp...44.1340P ADS

Husidic, E., Poedts, S., Vainio, R., Wijsen, N., & Baratashvili, T., *"Simulation of SEP Events with the ICARUS+PARADISE Model"*, 2022cosp...44.1296H ADS

Lario, D., Aran, A., Dresing, N., et al., *"Influence of large-scale interplanetary structures on the propagation of solar energetic particles: The multispacecraft event on 2021 October 9"*, 2022cosp...44.1191L ADS

Esteban Niemela, A., Rodriguéz, L., Poedts, S., et al., *"Modelling the SEP Event of April 11 2013"*, 2022cosp...44.1183E ADS

Wijsen, N., Aran, A., Dresing, N., et al., *"Modelling the influence of a stream interaction region on a gradual solar energetic particle event"*, 2022cosp...44.1161W ADS

Esteban Niemela, A., Rodriguéz, L., Poedts, S., et al., *"Simulating the gradual SEP event of 15 March 2013 with PARADISE"*, 2022cosp...44.1152E ADS

Kuźma, B., Poedts, S., Baratashvili, T., et al., *"Towards realistic COOLFluiD global coronal model for EUHFORIA2.0 space weather forecast: comparison with observations and multi-fluid perspectives."*, 2022cosp...44.1105K ADS

Perri, B., Poedts, S., Baratashvili, T., et al., *"Impact of magnetic photospheric observations on the modelling of coronal and heliospheric magnetic structures"*, 2022cosp...44.1078P ADS

Lario, D., Wijsen, N., Kwon, R. Y., et al., *"Influence of Large-scale Interplanetary Structures on the Propagation of Solar Energetic Particles: The Multispacecraft Event on 2021 October 9"*, 2022ApJ...934...55L ADS

Talpeanu, D. C., Poedts, S., D'Huys, E., Mierla, M., & Richardson, I. G., *"Interaction of coronal mass ejections and the solar wind. A force analysis"*, 2022A&A...663A..32T ADS

Samara, E., Magdalenić, J., Rodriguéz, L., et al., *"Influence of coronal hole morphology on the solar wind speed at Earth"*, 2022A&A...662A..68S ADS

Verbeke, C., Baratashvili, T., & Poedts, S., *"ICARUS, a new inner heliospheric model with a flexible grid"*, 2022A&A...662A..50V ADS

Shergelashvili, B. M., Philishvili, E., Buitendag, S., Poedts, S., & Khodachenko, M., *"Categorization model of moving small-scale intensity enhancements in solar active regions"*, 2022A&A...662A..30S ADS

López, R. A., Micera, A., Lazar, M., et al., *"Mixing the Solar Wind Proton and Electron Scales. Theory and 2D-PIC Simulations of Firehose Instability"*, 2022ApJ...930..158L ADS

Lilensten, J., Dauvergne, J. L., Pellier, C., et al., *"Observation from Earth of an atypical cloud system in the upper Martian atmosphere"*, 2022A&A...661A.127L ADS

Brchnelova, M., Zhang, F., Leitner, P., et al., *"Effects of mesh topology on MHD solution features in coronal simulations"*, 2022JPlPh..88b9005B ADS

Samara, E., Laperre, B., Kieokaew, R., et al., *"Dynamic Time Warping as a Means of Assessing Solar Wind Time Series"*, 2022ApJ...927..187S ADS

Husidic, E., Scherer, K., Lazar, M., Fichtner, H., & Poedts, S., *"Toward a Realistic Evaluation of Transport Coefficients in Non-equilibrium Space Plasmas"*, 2022ApJ...927..159H ADS

Hofmeister, S. J., Asvestari, E., Guo, J., et al., *"How the area of solar coronal holes affects the properties of high-speed solar wind streams near Earth: An analytical model"*, 2022A&A...659A.190H ADS

Wijsen, N., Aran, A., Scolini, C., et al., *"Observation-based modelling of the energetic storm particle event of 14 July 2012"*, 2022A&A...659A.187W ADS

Rodriguéz, L., Barnes, D., Hosteaux, S., et al., *"Comparing the Heliospheric Cataloging, Analysis, and Techniques Service (HELCATS) Manual and Automatic Catalogues of Coronal Mass Ejections Using Solar Terrestrial Relations Observatory/Heliospheric Imager (STEREO/HI) Data"*, 2022SoPh..297...23R ADS

Talpeanu, D. C., Poedts, S., D'Huys, E., & Mierla, M., *"Study of the propagation, in situ signatures, and geoeffectiveness of shear-induced coronal mass ejections in different solar winds"*, 2022A&A...658A..56T ADS

Lazar, M., López, R. A., Shaaban, S. M., et al., *"Temperature anisotropy instabilities stimulated by the solar wind suprathermal populations"*, 2022FrASS...8..249L ADS

Sabri, S., Ebadi, H., & Poedts, S., *"Propagation of the Alfvén Wave and Induced Perturbations in the Vicinity of a 3D Proper Magnetic Null Point"*, 2022ApJ...924..126S ADS

Rogava, A., Poedts, S., & Dadiani, E., *"Self-similarity for astrophysical MHD transients revisited"*, 2022AdSpR..69..474R ADS

Sabri, S., Ebadi, H., & Poedts, S., *"Plasma Flow Generation due to the Nonlinear Alfvén Wave Propagation around a 3D Magnetic Null Point"*, 2021ApJ...922..123S ADS

Jebaraj, I., Kouloumvakos, A., Magdalenic, J., et al., *"Evolution of shock waves and associated type II radio emission in the low corona and interplanetary space"*, 2021AGUFMSM35D2002J ADS

Samara, E., Chane, E., Laperre, B., et al., *"The Dynamic Time Warping Technique as an Alternative Way to Evaluate Space Weather Predictions"*, 2021AGUFMSH55C1860S ADS

Poedts, S., *"The ESA Virtual Space Weather Modelling Centre-Part 3"*, 2021AGUFMSH53B..04P ADS

Wijsen, N., Aran, A., Scolini, C., et al., *"Observation-based modelling of the energetic storm particle event of 14 July 2012"*, 2021AGUFMSH52B..06W ADS

Daglis, I., Bourdarie, S., Poedts, S., et al., *"Designing Radiation Belt Environmental Indicators for the safety of space assets: a transition of powerful tools from research to operations (R2O)"*, 2021AGUFMSH45E2410D ADS

1

Zhang, F., Poedts, S., & Lani, A., *"Revisiting the Two-fluid Modeling of Acoustic Wave and Shock Propagation in the Gravitationally Stratified Partially Ionized Plasma"*, `2021AGUFMSH45B2369Z` ADS

Baratashvili, T., Verbeke, C., & Poedts, S., *"Magnetized CMEs and solution adaptive mesh refinement in EUHFORIA"*, `2021AGUFMSH33A..06B` ADS

Maharana, A., Poedts, S., Scolini, C., et al., *"Employing advanced FRi3D CME model coupled with EUHFORIA in predictions of CME geo-effectiveness"*, `2021AGUFMSH33A..01M` ADS

Perri, B., Leitner, P., Brchnelova, M., et al., *"How to Benchmark a Coronal Model for Space Weather Forecasting: Validating EUHFORIA 2.0 Coronal Model Using Simulations and Observations"*, `2021AGUFMSH15E2061P` ADS

Scolini, C., Winslow, R., Lugaz, N., & Poedts, S., *"Evolution of Interplanetary Coronal Mass Ejection Complexity: a Numerical Study Through a Swarm of Simulated Spacecraft"*, `2021AGUFMSH15A2023S` ADS

Aran, A., Pacheco, D., Laurenza, M., et al., *"Evidence for local particle acceleration in the first recurrent galactic cosmic ray depression observed by Solar Orbiter. The ion event on 19 June 2020"*, `2021A&A...656L..10A` ADS

Srivastava, A. K., Erdélyi, R., Poedts, S., Chen, P. F., & Yan, Y., *"Editorial: Data-driven MHD -Novel Applications to the Solar Atmosphere"*, `2021FrASS...8..140S` ADS

Husidic, E., Lazar, M., Fichtner, H., Scherer, K., & Poedts, S., *"Transport coefficients enhanced by suprathermal particles in nonequilibrium heliospheric plasmas"*, `2021A&A...654A..99H` ADS

Jebaraj, I. C., Kouloumvakos, A., Magdalenic, J., et al., *"Generation of interplanetary type II radio emission"*, `2021A&A...654A..64J` ADS

Kuźma, B., Murawski, K., & Poedts, S., *"3D numerical simulations of propagating two-fluid, torsional Alfvén waves and heating of a partially ionized solar chromosphere"*, `2021MNRAS.506..989K` ADS

Lilensten, J., Dauvergne, J.-L., Pellier, C., et al., *"A new type of cloud discovered from Earth in the upper Martian atmosphere"*, `2021EPSC...15....7L` ADS

Dumbadze, G., Shergelashvili, B. M., Poedts, S., et al., *"Eigenspectra of solar active region long-period oscillations"*, `2021A&A...653A..39D` ADS

Scolini, C., Winslow, R. M., Lugaz, N., & Poedts, S., *"Evolution of Interplanetary Coronal Mass Ejection Complexity: A Numerical Study through a Swarm of Simulated Spacecraft"*, `2021ApJ...916L..15S` ADS

Niedziela, R., Murawski, K., & Poedts, S., *"Chromospheric heating and generation of plasma outflows by impulsively generated two-fluid magnetoacoustic waves"*, `2021A&A...652A.124N` ADS

Pelekhata, M., Murawski, K., & Poedts, S., *"Solar chromosphere heating and generation of plasma outflows by impulsively generated two-fluid Alfvén waves"*, `2021A&A...652A.114P` ADS

Kuźma, B., Murawski, K., Musielak, Z. E., Poedts, S., & Wójcik, D., *"Spatial variation in the periods of ion and neutral waves in a solar magnetic arcade"*, `2021A&A...652A..88K` ADS

Asvestari, E., Pomoell, J., Kilpua, E., et al., *"Modelling a multi-spacecraft coronal mass ejection encounter with EUHFORIA"*, `2021A&A...652A..27A` ADS

Kuźma, B., Murawski, K., & Poedts, S., *"3D numerical simulations of propagating two-fluid, torsional Alfvén waves and heating of a partially-ionized solar chromosphere"*, `2021arXiv210610537K` ADS

Verscharen, D., Wicks, R. T., Alexandrova, O., et al., *"A Case for Electron-Astrophysics"*, `2021ExA...tmp...67V` ADS

Scolini, C., Dasso, S., Rodriguéz, L., Zhukov, A. N., & Poedts, S., *"Exploring the radial evolution of interplanetary coronal mass ejections using EUHFORIA"*, `2021A&A...649A..69S` ADS

Poedts, S., Maharana, A., Scolini, C., & Isavnin, A., *"Predicting geo-effectiveness of CMEs using a novel 3D CME model FRi3D integrated into EUHFORIA"*, `2021EGUGA..2311605P` ADS

Jebaraj, I. C., Kouloumvakos, A., Magdalenic, J., et al., *"Conditions needed for generation of type II radio emission in the interplanetary space"*, `2021EGUGA..2310997J` ADS

Lavraud, B., Pinto, R., Kieokaew, R., et al., *"Modeling the Sun - Earth propagation of solar disturbances for the H2020 SafeSpace project"*, `2021EGUGA..2310796L` ADS

Zhang, F., Poedts, S., Lani, A., Kuźma, B., & Murawski, K., *"Acoustic/shock wave heating in the gravitationally stratified partially ionized plasmas: the two-fluid effects"*, `2021EGUGA..2310359Z` ADS

Niemela, A., Wijsen, N., Rodriguez, L., Magdalenic, J., & Poedts, S., *"The Solar Energetic Particle Event of March 15 2013 - Characterization of the interplanetary medium conditions"*, `2021EGUGA..2310332N` ADS

Sarkar, R., Pomoell, J., Asvestari, E., et al., *"On the prediction of magnetic field vectors of ICME using data constrained simulation with EUHFORIA"*, `2021EGUGA..2310325S` ADS

Maharana, A., Scolini, C., Raeder, J., & Poedts, S., *"Predicting geo-effectiveness of CMEs with EUHFORIA coupled to OpenGGCM"*, `2021EGUGA..23.9854M` ADS

Baratashvili, T., Verbeke, C., Wijsen, N., Chané, E., & Poedts, S., *"Improving CME evolution and arrival predictions with AMR and grid stretching in EUHFORIA"*, `2021EGUGA..23.9193B` ADS

Wijsen, N., Samara, E., Aran, À., et al., *"A self-consistent simulation of proton acceleration and transport near a high-speed solar wind stream"*, `2021EGUGA..23.8189W` ADS

Kuźma, B., Murawski, K., Musielak, Z., Poedts, S., & Wójcik, D., *"Spatial variation of periods of ion and neutral waves in a solar magnetic arcade."*, `2021EGUGA..23.6726K` ADS

Asvestari, E., Pomoell, J., Kilpua, E., et al., *"Constraining the CME parameters of the spheromak flux rope implemented in EUHFORIA"*, `2021EGUGA..23.3291A` ADS

Schmieder, B., Verbeke, C., Chané, E., et al., *"ICMEs and low plasma density in the solar wind observed at L1"*, `2021EGUGA..23.1799S` ADS

Zhang, F., Poedts, S., Lani, A., Kuźma, B., & Murawski, K., *"Two-fluid Modeling of Acoustic Wave Propagation in Gravitationally Stratified Isothermal Media"*, `2021ApJ...911..119Z` ADS

Samara, E., Pinto, R. F., Magdalenić, J., et al., *"Implementing the MULTI-VP coronal model in EUHFORIA: Test case results and comparisons with the WSA coronal model"*, `2021A&A...648A..35S` ADS

Chané, E., Schmieder, B., Dasso, S., et al., *"Over-expansion of a coronal mass ejection generates sub-Alfvénic plasma conditions in the solar wind at Earth"*, `2021A&A...647A.149C` ADS

Lilensten, J., Dumbović, M., Spogli, L., et al., *"Quo vadis, European Space Weather community?"*, `2021JSWSC..11...26L` ADS

Wijsen, N., Samara, E., Aran, À., et al., *"A Self-consistent Simulation of Proton Acceleration and Transport Near a High-speed Solar Wind Stream"*, `2021ApJ...908L..26W` ADS

Verbeke, C., Schmieder, B., Rodriguéz, L., et al., *"Modeling Coronal Mass Ejections with EUHFORIA"*, `2021cosp...43E2358V` ADS

Daglis, I. A., Bourdarie, S., Santolik, O., et al., *"SafeSpace: Designing Radiation Belt Environmental Indicators for the safety of space assets"*, `2021cosp...43E2353D` ADS

Maharana, A., Scolini, C., Isavnin, A., & Poedts, S., *"Predicting geo-effectiveness of CMEs using a novel 3D CME model FRi3D integrated into EUHFORIA"*, `2021cosp...43E1755M` ADS

Aran, A., Poedts, S., Pomoell, J., & Lario, D., *"Modelling the acceleration and transport of energetic particles in a corotating interaction region"*, `2021cosp...43E1070A` ADS

Jebaraj, I., Poedts, S., Krupar, V., & Magdalenic, J., *"Fine structures of interplanetary radio bursts"*, `2021cosp...43E1067J` ADS

Scolini, C., Rodriguéz, L., Poedts, S., et al., *"CME-CME interactions as sources of CME helio-effectiveness: the early September 2017 events"*, `2021cosp...43E1030S` ADS

Schmieder, B., Poedts, S., Grison, B., et al., *"Initiation of CMEs and their geo-effectiveness"*, `2021cosp...43E1013S` ADS

Talpeanu, D.-C., Poedts, S., Mierla, M., et al., *"Numerical modelling of consecutive solar eruptions inserted in different solar wind speeds and comparison of in-situ signatures at 1AU and their geoeffectiveness"*, `2021cosp...43E1003T` ADS

Samara, E., Rodriguéz, L., Poedts, S., et al., *"Coupling the MULTI-VP model with EUHFORIA"*, `2021cosp...43E1002S` ADS

Jebaraj, I., Poedts, S., Krupar, V., et al., *"Diagnosing CME/Shock wave association using the radio triangulation technique"*, `2021cosp...43E1000J` ADS

Wijsen, N., Poedts, S., Aran, A., et al., *"Modelling the acceleration and transport of energetic particles near an interplanetary CME"*, `2021cosp...43E.903W` ADS

Navarro, A., Lora-Clavijo, F. D., Murawski, K., & Poedts, S., *"Thermal conduction effects on formation of chromospheric solar tadpole-like jets"*, `2021MNRAS.500.3329N` ADS

Shaaban, S. M., Lazar, M., López, R. A., Yoon, P. H., & Poedts, S., *"Advanced Interpretation of Waves and Instabilities in Space Plasmas"*, `2021ASSL..464..185S` ADS

López, R. A., Moya, P. S., Shaaban, S. M., et al., *"Advanced Numerical Tools for Studying Waves and Instabilities in Kappa Distributed Plasmas"*, `2021ASSL..464..163L` ADS

Philishvili, E., Shergelashvili, B. M., Buitendag, S., et al., *"Case study on the identification and classification of small-scale flow patterns in flaring active region"*, `2021A&A...645A..52P` ADS

Wijsen, N., Samara, E., Aran, A., et al., *"Modelling energetic particles in the vicinity of high-speed solar wind streams with PARADISE"*, `2020AGUFMSH054..05W` ADS

Samara, E., Pinto, R., Magdalenic, J., et al., *"Implementing the MULTI-VP Coronal Model in EUHFORIA: Results and Comparisons with the WSA Coronal Model"*, `2020AGUFMSH046..06S` ADS

Scolini, C., Chané, E., Temmer, M., et al., *"CME-CME Interactions as Sources of CME Helio-Effectiveness: the Early September 2017 Events"*, `2020AGUFMSH0440017S` ADS

2

Aran, A., Pacheco, D., Wijsen, N., et al., *"The Low-Energy Ion Event on 19 June 2020 Measured by Solar Orbiter"*, 2020AGUFMSH039..06A ADS

Hermosilla, D., Moya, P. S., López, R. A., Lazar, M., & Poedts, S., *"Spontaneous Magnetic Fluctuations of Kappa Electron Distributions"*, 2020AGUFMSH0370019H ADS

Poedts, S., *"The ESA Virtual Space Weather Modelling Centre - Part 3"*, 2020AGUFMSH0030023P ADS

Pinto, R., Kieokaew, R., Lavraud, B., et al., *"Real time physics-based solar wind forecasts for SafeSpace"*, 2020AGUFMSH0030010P ADS

Zhang, F., Poedts, S., Lani, A., Kuźma, B., & Murawski, K., *"Collisional and Reactive Multi-fluid Modeling of Acoustic Wave Propagation and Heating in Gravitationally Stratified Chromospheric plasma"*, 2020AGUFMSH0010018Z ADS

Uchava, E. S., Tevzadze, A. G., Shergelashvili, B. M., Dzhalilov, N. S., & Poedts, S., *"Fire-hose instability of inhomogeneous plasma flows with heat fluxes"*, 2020PhPl...27k2901U ADS

Millas, D., Innocenti, M. E., Laperre, B., et al., *"Domain of Influence analysis: implications for Data Assimilation in space weather forecasting"*, 2020FrASS...7...73M ADS

Sabri, S., Ebadi, H., & Poedts, S., *"Plasmoids and Resulting Blobs due to the Interaction of Magnetoacoustic Waves with a 2.5D Magnetic Null Point"*, 2020ApJ...902...11S ADS

Lazar, M., Pierrard, V., Poedts, S., & Fichtner, H., *"Characteristics of solar wind suprathermal halo electrons"*, 2020A&A...642A.130L ADS

Poedts, S., Lani, A., Scolini, C., et al., *"EUropean Heliospheric FORecasting Information Asset 2.0"*, 2020JSWSC..10...57P ADS

López, R. A., Lazar, M., Shaaban, S. M., Poedts, S., & Moya, P. S., *"Alternative High-plasma Beta Regimes of Electron Heat-flux Instabilities in the Solar Wind"*, 2020ApJ...900L..25L ADS

Shergelashvili, B. M., Melnik, V. N., Dididze, G., et al., *"A new class of discontinuous solar wind solutions"*, 2020MNRAS.496.1023S ADS

Shaaban, S. M., Lazar, M., López, R. A., & Poedts, S., *"Electromagnetic Ion-Ion Instabilities in Space Plasmas: Effects of Suprathermal Populations"*, 2020ApJ...899...20S ADS

Hofmeister, S. J., Veronig, A. M., Poedts, S., Samara, E., & Magdalenic, J., *"On the Dependency between the Peak Velocity of High-speed Solar Wind Streams near Earth and the Area of Their Solar Source Coronal Holes"*, 2020ApJ...897L..17H ADS

Jebaraj, I. C., Magdalenić, J., Podladchikova, T., et al., *"Using radio triangulation to understand the origin of two subsequent type II radio bursts"*, 2020A&A...639A..56J ADS

Kuźma, B., Wójcik, D., Murawski, K., Yuan, D., & Poedts, S., *"Numerical simulations of the lower solar atmosphere heating by two-fluid nonlinear Alfvén waves"*, 2020A&A...639A..45K ADS

Korsós, M. B., Georgoulis, M. K., Gyenge, N., et al., *"Solar Flare Prediction Using Magnetic Field Diagnostics above the Photosphere"*, 2020ApJ...896..119K ADS

Rehman, M. A., Shaaban, S. M., Yoon, P. H., Lazar, M., & Poedts, S., *"Electromagnetic instabilities of low-beta alpha/proton beams in space plasmas"*, 2020Ap&SS.365..107R ADS

Asvestari, E., Heinemann, S. G., Temmer, M., et al., *"The impact of coronal hole characteristics and solar cycle activity in reconstructing coronal holes with EUHFORIA"*, 2020JPhCS1548a2004A ADS

Schmieder, B., Kim, R. S., Grison, B., et al., *"Low Geo-Effectiveness of Fast Halo CMEs Related to the 12 X-Class Flares in 2002"*, 2020JGRA..12527529S ADS

Pinto, R., Kieokaew, R., Lavraud, B., et al., *"Real time physics-based solar wind forecasts for SafeSpace"*, 2020EGUGA..2215245P ADS

Kilpua, E., Good, S., Palmerio, E., et al., *"Multi-spacecraft Observations of interacting CME flux ropes"*, 2020EGUGA..22.6043K ADS

Schmieder, B., Poedts, S., & Verbeke, C., *"Can we explain the low geo-effectiveness of the fast halo CMEs in 2002 with EUHFORIA?"*, 2020EGUGA..22.5543S ADS

Poedts, S., *"EUHFORIA in the ESA Virtual Space Weather Modelling Centre"*, 2020EGUGA..22.5259P ADS

Scolini, C., Pomoell, J., Chané, E., et al., *"Observation-based modelling of magnetised CMEs in the inner heliosphere with EUHFORIA"*, 2020EGUGA..22.1777S ADS

Jebaraj, I. C., Magdalenic, J., & Poedts, S., *"On the fine structures in interplanetary radio emissions"*, 2020EGUGA..22.1025J ADS

Samara, E., Magdalenic, J., Pinto, R. F., et al., *"Coupling the MULTI-VP model with EUHFORIA"*, 2020EGUGA..22..966S ADS

Talpeanu, D. C., Chané, E., Poedts, S., et al., *"Numerical simulations of shear-induced consecutive coronal mass ejections"*, 2020A&A...637A..77T ADS

Mdzinarishvili, T. G., Shergelashvili, B. M., Japaridze, D. R., et al., *"Determination of the solar rotation parameters via orthogonal polynomials"*, 2020AdSpR..65.1843M ADS

Scolini, C., Chané, E., Pomoell, J., Rodriguéz, L., & Poedts, S., *"Improving Predictions of High-Latitude Coronal Mass Ejections Throughout the Heliosphere"*, 2020SpWea..1802246S ADS

Poedts, S., Kochanov, A., Lani, A., et al., *"The Virtual Space Weather Modelling Centre"*, 2020JSWSC..10...14P ADS

Scolini, C., Chané, E., Temmer, M., et al., *"CME-CME Interactions as Sources of CME Geoeffectiveness: The Formation of the Complex Ejecta and Intense Geomagnetic Storm in 2017 Early September"*, 2020ApJS..247...21S ADS

Wijsen, N., Aran, A., Sanahuja, B., Pomoell, J., & Poedts, S., *"The effect of drifts on the decay phase of SEP events"*, 2020A&A...634A..82W ADS

Hinterreiter, J., Magdalenic, J., Temmer, M., et al., *"Assessing the Performance of EUHFORIA Modeling the Background Solar Wind"*, 2019SoPh..294..170H ADS

Scolini, C., Poedts, S., Rodriguéz, L., et al., *"A study of the role of CME-CME interactions on CME geo-effectiveness with EUHFORIA"*, 2019AGUFMSH43D3368S ADS

Samara, E., Magdalenic, J., Rodriguéz, L., Heinemann, S. G., & Poedts, S., *"Developing Fast Solar Wind Modeling with EUHFORIA"*, 2019AGUFMSH41F3328S ADS

Pomoell, J., Kilpua, K. E. J., Asvestari, E., et al., *"Data-driven and observation-based modeling of CMEs in the inner heliosphere with EUHFORIA"*, 2019AGUFMSH41A..03P ADS

Pacheco, D., Aran, A., Wijsen, N., et al., *"Modelling the angular response of EPD/EPT: Application to the electron event observed on 21 April 2019"*, 2019AGUFMSH21D3305P ADS

Wijsen, N., Aran, A., Pomoell, J., & Poedts, S., *"Solar energetic particles experience EUHFORIA's CMEs in PARADISE"*, 2019AGUFMSH21B..07W ADS

Asvestari, E., Heinemann, S., Temmer, M., et al., *"Improving Modelling Areas of Open-Closed Flux in the Corona Using Remote Sensing Observations"*, 2019AGUFMSH13A..09A ADS

Hosteaux, S., Chané, E., & Poedts, S., *"Effect of the solar wind density on the evolution of normal and inverse coronal mass ejections"*, 2019A&A...632A..89H ADS

Wijsen, N., Aran, A., Pomoell, J., & Poedts, S., *"Spreading protons in the heliosphere: a note on cross-field diffusion effects"*, 2019JPhCS1332a2018W ADS

Asvestari, E., Heinemann, S. G., Temmer, M., et al., *"Reconstructing Coronal Hole Areas With EUHFORIA and Adapted WSA Model: Optimizing the Model Parameters"*, 2019JGRA..124.8280A ADS

Al-Haddad, N., Lugaz, N., Poedts, S., et al., *"Evolution of Coronal Mass Ejection Properties in the Inner Heliosphere: Prediction for the Solar Orbiter and Parker Solar Probe"*, 2019ApJ...884..179A ADS

Lazar, M., López, R. A., Shaaban, S. M., Poedts, S., & Fichtner, H., *"Whistler instability stimulated by the suprathermal electrons present in space plasmas"*, 2019Ap&SS.364..171L ADS

Shevchuk, M., Melnik, V., Dorovskyy, V., et al., *"On Polarization of Solar Decameter Spikes"*, 2019simi.conf...40S ADS

López, R. A., Shaaban, S. M., Lazar, M., et al., *"Particle-in-cell Simulations of the Whistler Heat-flux Instability in Solar Wind Conditions"*, 2019ApJ...882L...8L ADS

Verscharen, D., Wicks, R. T., Alexandrova, O., et al., *"A Case for Electron-Astrophysics"*, 2019arXiv190802206V ADS

Shaaban, S. M., Lazar, M., Yoon, P. H., Poedts, S., & López, R. A., *"Quasilinear approach of the whistler heat-flux instability in the solar wind"*, 2019MNRAS.486.4498S ADS

Kilpua, E. K. J., Good, S. W., Palmerio, E., et al., *"Multipoint Observations of the June 2012 Interacting Interplanetary Flux Ropes"*, 2019FrASS...6...50K ADS

Verbeke, C., Pomoell, J., & Poedts, S., *"The evolution of coronal mass ejections in the inner heliosphere: Implementing the spheromak model with EUHFORIA"*, 2019A&A...627A.111V ADS

Shaaban, S. M., Lazar, M., Yoon, P. H., & Poedts, S., *"Quasilinear approach of the cumulative whistler instability in fast solar wind: Constraints of electron temperature anisotropy"*, 2019A&A...627A..76S ADS

Palmerio, E., Scolini, C., Barnes, D., et al., *"Multipoint Study of Successive Coronal Mass Ejections Driving Moderate Disturbances at 1 au"*, 2019ApJ...878...37P ADS

Scolini, C., Rodriguéz, L., Mierla, M., Pomoell, J., & Poedts, S., *"Observation-based modelling of magnetised coronal mass ejections with EUHFORIA"*, 2019A&A...626A.122S ADS

Leitner, P., Lani, A., & Poedts, S., *"Towards a novel multi-fluid coronal model"*, 2019shin.confE.153L ADS

Samara, E., Magdalenic, J., Rodriguéz, L., Heinemann, S. G., & Poedts, S., *"Developing fast solar wind modeling with EUHFORIA"*, 2019shin.confE..81S ADS

Scolini, C., Rodriguéz, L., Temmer, M., et al., *"Investigating the evolution and interactions of the September 2017 CME events with EUHFORIA"*, 2019shin.confE...1S ADS

3

Dididze, G., Shergelashvili, B. M., Melnik, V. N., et al., "Comparative analysis of solar radio bursts before and during CME propagation", 2019A&A...625A..63D ADS

Palmerio, E., Scolini, C., Barnes, D., et al., "Multipoint study of successive CMEs driving moderate disturbances at 1 AU", 2019EGUGA..2117038P ADS

Jebaraj, I. C., Magdalenic, J., Scolini, C., et al., "Origin of the two shock waves associated with the September 27/28, 2012 event", 2019EGUGA..2116967J ADS

Lazar, M., Shaaban, S. M., López, R., Poedts, S., & Fichtner, H., "Solar wind suprathermal particle populations", 2019EGUGA..2116019L ADS

Wijsen, N., Aran, A., Pomoell, J., & Poedts, S., "On the transport of solar energetic protons near and within a corotating interaction region", 2019EGUGA..2113003W ADS

Asvestari, E., Heinemann, S., Pomoell, J., et al., "Reconstructing coronal holes with EUHFORIA", 2019EGUGA..21.8085A ADS

Scolini, C., Rodriguéz, L., Temmer, M., et al., "Investigating the evolution and interactions of the September 2017 CME events with EUHFORIA", 2019EGUGA..21.1337S ADS

Talpeanu, D.-C., Zuccarello, F. P., Chané, E., et al., "Initiation of Stealth CMEs: Clues from Numerical Modelling and In-Situ Comparisons", 2019EGUGA..21.1210T ADS

Wijsen, N., Aran, A., Pomoell, J., & Poedts, S., "Interplanetary spread of solar energetic protons near a high-speed solar wind stream", 2019A&A...624A..47W ADS

Shaaban, S. M., Lazar, M., López, R. A., Fichtner, H., & Poedts, S., "Firehose instabilities triggered by the solar wind suprathermal electrons", 2019MNRAS.483.5642S ADS

López, R. A., Lazar, M., Shaaban, S. M., et al., "Particle-in-cell Simulations of Firehose Instability Driven by Bi-Kappa Electrons", 2019ApJ...873L..20L ADS

Sabri, S., Poedts, S., & Ebadi, H., "Plasma heating by magnetoacoustic wave propagation in the vicinity of a 2.5D magnetic null-point", 2019A&A...623A..81S ADS

Shaaban, S. M., Lazar, M., Yoon, P. H., & Poedts, S., "The Interplay of the Solar Wind Core and Suprathermal Electrons: A Quasilinear Approach for Firehose Instability", 2019ApJ...871..237S ADS

Wijsen, N., Aran, A., Pomoell, J., & Poedts, S., "Modelling three-dimensional transport of solar energetic protons in a corotating interaction region generated with EUHFORIA", 2019A&A...622A..28W ADS

Al-Haddad, N., Poedts, S., Roussev, I., et al., "The Magnetic Morphology of Magnetic Clouds: Multi-spacecraft Investigation of Twisted and Writhed Coronal Mass Ejections", 2019ApJ...870..100A ADS

Lazar, M., Kim, S., López, R. A., et al., "Suprathermal Spontaneous Emissions in κ-distributed Plasmas", 2018ApJ...868L..25L ADS

Mghebrishvili, I., Zaqarashvili, T., Kukhianidze, V., et al., "Association between Tornadoes and Instability of Hosting Prominences", 2018csc..confE..20M ADS

Talpeanu, D.-C., Zuccarello, F. P., ChantextbackslashxC3, E., et al., "Initiation of Stealth CMEs: Clues from Numerical Modelling and In-Situ Comparisons", 2018csc..confE..14T ADS

Hosteaux, S., Chané, E., Decraemer, B., Talpeanu, D. C., & Poedts, S., "Ultrahigh-resolution model of a breakout CME embedded in the solar wind", 2018A&A...620A..57H ADS

Shaaban, S. M., Lazar, M., & Poedts, S., "Clarifying the solar wind heat flux instabilities", 2018MNRAS.480..310S ADS

Shaaban, S. M., Lazar, M., Yoon, P. H., & Poedts, S., "Beaming electromagnetic (or heat-flux) instabilities from the interplay with the electron temperature anisotropies", 2018PhPl...25h2105S ADS

Korsós, M. B., Poedts, S., Gyenge, N., et al., "On the Evolution of Pre-Flare Patterns of a 3-Dimensional Model of AR 11429", 2018IAUS..335..294K ADS

Verbeke, C., Poedts, S., & Pomoell, J., "Modeling Coronal Mass Ejections with EUHFORIA: A Parameter Study of a magnetized Flux Rope Model", 2018shin.confE.192V ADS

Wijsen, N., Poedts, S., Aran, A., & Pomoell, J., "Three-dimensional modelling of solar energetic particle events with EUHFORIA", 2018cosp...42E3657W ADS

Verbeke, C., Poedts, S., Pomoell, J., & Scolini, C., "Modeling Coronal Mass Ejections with EUHFORIA: A Parameter Study of a magnetized Flux Rope Model", 2018cosp...42E3532V ADS

Arshad, K., Poedts, S., & Lazar, M., "Evolution of twisted waves carrying orbital angular momentum: Application to the Lorentzian (Kappa) distributed non-gyrotropic plasmas.", 2018cosp...42E.126A ADS

Arshad, K., Lazar, M., & Poedts, S., "Quasi-electrostatic twisted waves in Lorentzian dusty plasmas", 2018P&SS..156..139A ADS

Lazar, M., Kourakis, I., Poedts, S., & Fichtner, H., "On the effects of suprathermal populations in dusty plasmas: The case of dust-ion-acoustic waves", 2018P&SS..156..130L ADS

Mghebrishvili, I., Zaqarashvili, T. V., Kukhianidze, V., et al., "Association between Tornadoes and Instability of Hosting Prominences", 2018ApJ...861..112M ADS

Melnik, V. N., Shepelev, V. A., Poedts, S., et al., "Interferometric Observations of the Quiet Sun at 20 and 25 MHz in May 2014", 2018SoPh..293...97M ADS

Pomoell, J. & Poedts, S., "EUHFORIA: European heliospheric forecasting information asset", 2018JSWSC...8A..35P ADS

Hosteaux, S., Chané, E., Decraemer, B., Talpeanu, D., & Poedts, S., "Ultrahigh Resolution Model of a Breakout CME Embedded in the Solar Wind", 2018tess.conf41105H ADS

Chané, E., Saur, J., Raeder, J., Neubauer, F. M., & Poedts, S., "The Magnetosphere of the Earth under Sub???Alfvénic Solar Wind Conditions as Observed on 24 and 25 May 2002", 2018tess.conf30178C ADS

Scolini, C., Verbeke, C., Chané, E., et al., "Sun-to-Earth simulation of the July 12, 2012 geo-effective CME with EUHFORIA+OpenGGCM", 2018tess.conf10903S ADS

Alvarez-Laguna, A., Ozak, N., Lani, A., et al., "A Versatile Numerical Method for the Multi-Fluid Plasma Model in Partially- and Fully-Ionized Plasmas", 2018JPhCS1031a2015A ADS

Maneva, Y. G. & Poedts, S., "Generation and evolution of anisotropic turbulence and related energy transfer in drifting proton-alpha plasmas", 2018A&A...613A..10M ADS

Lazar, M., Fichtner, H., Poedts, S., Shaaban, S. M., & Pierrard, V., "From observational evidence to a consistent theory of suprathermal populations in the solar wind and terrestrial magnetosphere", 2018EGUGA..2016841L ADS

Arshad, K., Lazar, M., & Poedts, S., "Kinetic Study of twisted waves in non-Gyrotropic Plasmas", 2018EGUGA..20.9034A ADS

Hinterreiter, J., Temmer, M., Verbeke, C., et al., "Validation of the background solar wind modeled by EUHFORIA", 2018EGUGA..20.6533H ADS

Scolini, C., Verbeke, C., Poedts, S., et al., "Sun-to-Earth simulations of geo-effective Coronal Mass Ejections with EUHFORIA: a heliospheric-magnetospheric model chain approach", 2018EGUGA..20.6441S ADS

Pierrard, V., Lazar, M., Moschou, S., & Poedts, S., "Non-thermal velocity distributions in the solar wind", 2018EGUGA..20.2950P ADS

Shaaban, S. M., Lazar, M., Astfalk, P., & Poedts, S., "Stimulated Mirror Instability From the Interplay of Anisotropic Protons and Electrons, and their Suprathermal Populations", 2018JGRA..123.1754S ADS

Bagashvili, S. R., Shergelashvili, B. M., Japaridze, D. R., et al., "Evidence for Precursors of the Coronal Hole Jets in Solar Bright Points", 2018ApJ...855L..21B ADS

Scolini, C., Messerotti, M., Poedts, S., & Rodriguéz, L., "Halo Coronal Mass Ejections during Solar Cycle 24: reconstruction of the global scenario and geoeffectiveness", 2018JSWSC...8A...9S ADS

Verbeke, C., Asvestari, E., Scolini, C., et al., "Modeling Coronal Mass Ejections with EUHFORIA: A Parameter Study of the Gibson-Low Flux Rope Model using Multi-Viewpoint Observations", 2017AGUFMSH52A..02V ADS

Shaaban Hamd, S. M., Lazar, M., Poedts, S., Pierrard, V., & Štverák, "Shaping the solar wind electron temperature anisotropy by the interplay of core and suprathermal populations", 2017AGUFMSH33A2763S ADS

Maneva, Y. G. & Poedts, S., "Nonlinear Evolution of Observed Fast Streams in the Solar Wind - Micro-instabilities and Energy Exchange between Protons and Alpha Particles", 2017AGUFMSH32A..08M ADS

Arshad, K., Poedts, S., & Lazar, M., "Kinetic Theory of quasi-electrostatic waves in non-gyrotropic plasmas", 2017AGUFMSH31C2751A ADS

Wijsen, N., Poedts, S., & Pomoell, J., "<p>Modelling Solar Energetic Particle Propagation in Realistic Heliospheric Solar Wind Conditions Using a Combined MHD and Stochastic Differential Equation Approach", 2017AGUFMSH31B2737W ADS

Scolini, C., Verbeke, C., Gopalswamy, N., et al., "Sun-to-Earth simulations of geo-effective Coronal Mass Ejections with EUHFORIA: a heliospheric-magnetospheric model chain approach", 2017AGUFMSH31A2716S ADS

Maes, L., Maggiolo, R., DeÂ Keyser, J., et al., "Solar Illumination Control of the Polar Wind", 2017JGRA..12211468M ADS

Chané, E., Saur, J., Raeder, J., et al., "The Magnetosphere of the Earth under Sub-Alfvénic Solar Wind Conditions as Observed on 24 and 25 May 2002", 2017GMS...230....1C ADS

Bagashvili, S. R., Shergelashvili, B. M., Japaridze, D. R., et al., "Statistical properties of coronal hole rotation rates: Are they linked to the solar interior?", 2017A&A...603A.134B ADS

Alvarez Laguna, A., Lani, A., Mansour, N. N., Deconinck, H., & Poedts, S., "Effect of Radiation on Chromospheric Magnetic Reconnection: Reactive and Collisional Multi-fluid Simulations", 2017ApJ...842..117A ADS

Lazar, M., Pierrard, V., Shaaban, S. M., Fichtner, H., & Poedts, S., "Dual Maxwellian-Kappa modeling of the solar wind electrons: new clues on the temperature of Kappa populations", 2017A&A...602A..44L ADS

Lazar, M., Shaaban, S. M., Pierrard, V., Fichtner, H., & Poedts, S., "Instability constraints for the electron temperature anisotropy in the slow solar wind. Thermal core vs. suprathermal halo", 2017arXiv170405311L ADS

Arshad, K., Poedts, S., & Lazar, M., *"Kinetic theory of twisted waves: Application to space plasmas having superthermal population of species"*, `2017EGUGA..1919650A` ADS

Pomoell, J., Kilpua, E., Verbeke, C., et al., *"Modeling the Sun-To-Earth Evolution of the Magnetic Structure of Coronal Mass Ejections with EUHFORIA"*, `2017EGUGA..1911747P` ADS

Poedts, S. & Pomoell, J., *"EUHFORIA: a solar wind and CME evolution model"*, `2017EGUGA..19.7396P` ADS

Philishvili, E., Shergelashvili, B. M., Zaqarashvili, T. V., et al., *"Quasi-oscillatory dynamics observed in ascending phase of the flare on March 6, 2012"*, `2017A&A...600A..67P` ADS

D'Huys, E., Seaton, D. B., De Groof, A., Berghmans, D., & Poedts, S., *"Solar signatures and eruption mechanism of the August 14, 2010 coronal mass ejection (CME)"*, `2017JSWSC...7A...7D` ADS

Chané, E., Saur, J., Keppens, R., & Poedts, S., *"How is the Jovian main auroral emission affected by the solar wind?"*, `2017JGRA..122.1960C` ADS

Maneva, Y. G., Alvarez Laguna, A., Lani, A., & Poedts, S., *"Multi-fluid Modeling of Magnetosonic Wave Propagation in the Solar Chromosphere: Effects of Impact Ionization and Radiative Recombination"*, `2017ApJ...836..197M` ADS

Dorovskyy, V. V., Melnik, V. N., Konovalenko, A. A., et al., *"Properties of groups of solar S-bursts in the decameter band"*, `2017pre8.conf..369D` ADS

Lazar, M., Shaaban, S. M., Poedts, S., & Štverák, Š., *"Firehose constraints of the bi-Kappa-distributed electrons: a zero-order approach for the suprathermal electrons in the solar wind"*, `2017MNRAS.464..564L` ADS

Shaaban, S. M., Lazar, M., Poedts, S., & Elhanbaly, A., *"Shaping the solar wind temperature anisotropy by the interplay of electron and proton instabilities"*, `2017Ap&SS.362...13S` ADS

Dumbadze, G., Shergelashvili, B. M., Kukhianidze, V., et al., *"Long-period oscillations of active region patterns: least-squares mapping on second-order curves"*, `2017A&A...597A..93D` ADS

Pierrard, V., Lazar, M., & Poedts, S., *"Kinetic Features Observed in the Solar Wind Electron Distributions"*, `2016AGUFMSH51D2606P` ADS

Maneva, Y. G., Poedts, S., & Vinas, A. F., *"Evolution of Anisotropic Turublence in Drifting Proton-Alpha Plasma - 2.5D Hybrid Simulations"*, `2016AGUFMSH44A..08M` ADS

Ozak, N. O., Alvarez Laguna, A., Maneva, Y. G., & Poedts, S., *"Two-fluid Modeling of Drift Waves in the Solar Atmosphere"*, `2016AGUFMSH21E2575O` ADS

Alvarez Laguna, A., Ozak, N. O., Maneva, Y. G., et al., *"Three-Fluid collisional and reactive magnetic reconnection with radiative effects in chromospheric conditions"*, `2016AGUFMSH21E2566A` ADS

Ehsan, Z., Poedts, S., Vranjes, J., et al., *"Solar wind driven instability with non-Maxwellian distribution functions"*, `2016AGUFMSH21D2558E` ADS

Maneva, Y. G., Poedts, S., Alvarez Laguna, A., & Lani, A., *"Twofluid Simulations of Propagation of Slow and ALFVÉN Waves in the Partially Ionized Solar Chromosphere"*, `2016AGUFMSH14B..04M` ADS

Pomoell, J., Lumme, E., Kilpua, E., et al., *"Data-Driven Modeling of the Coronal Magnetic Field: Comparing Time-Dependent Magnetofrictional Modeling and Nonlinear Force-free Field Extrapolations"*, `2016AGUFMSH12B..03P` ADS

Maneva, Y., Lazar, M., Viñas, A., & Poedts, S., *"Mixing the Solar Wind Proton and Electron Scales: Effects of Electron Temperature Anisotropy on the Oblique Proton Firehose Instability"*, `2016ApJ...832...64M` ADS

Pierrard, V., Lazar, M., Poedts, S., et al., *"The Electron Temperature and Anisotropy in the Solar Wind. Comparison of the Core and Halo Populations"*, `2016SoPh..291.2165P` ADS

Lavraud, B., Liu, Y., Segura, K., et al., *"A small mission concept to the Sun-Earth Lagrangian L5 point for innovative solar, heliospheric and space weather science"*, `2016JASTP.146..171L` ADS

Melnik, V., Shepelev, V., Brazhenko, A., et al., *"Interferometer Observations of Solar Type III Bursts by the Radio Telescope UTR-2"*, `2016simi.conf...23M` ADS

Shepeliev, V., Melnik, V., Brazhenko, A., et al., *"Radio Emission of the Quiet Sun at 20 and 25 MHz According to Interferometer Observations with the UTR-2 Radio Telescope"*, `2016simi.conf...17S` ADS

Al-haddad, N., Roussev, I., Nieves-Chinchilla, T., et al., *"The evolution of CMEs with radial distance: Numerical approach"*, `2016cosp...41E..55A` ADS

Shaaban, S. M., Lazar, M., Poedts, S., & Elhanbaly, A., *"The interplay of the solar wind proton core and halo populations: EMIC instability"*, `2016JGRA..121.6031S` ADS

Gurgenashvili, E., Zaqarashvili, T. V., Kukhianidze, V., et al., *"Rieger-type Periodicity during Solar Cycles 14-24: Estimation of Dynamo Magnetic Field Strength in the Solar Interior"*, `2016ApJ...826...55G` ADS

Ismayilli, R. F., Dzhalilov, N. S., Shergelashvili, B. M., Poedts, S., & Pirguliyev, M. S., *"Kelvin-Helmholtz Instability in the Solar Wind Plasmas: 16-Momentum Fluid Formalism"*, `2016AzAJ...11b..15I` ADS

Shaaban, S. M., Lazar, M., Poedts, S., & Elhanbaly, A., *"Effects of suprathermal electrons on the proton temperature anisotropy in space plasmas: Electromagnetic ion-cyclotron instability"*, `2016Ap&SS.361..193S` ADS

D'Huys, E., Berghmans, D., Seaton, D. B., & Poedts, S., *"The Effect of Limited Sample Sizes on the Accuracy of the Estimated Scaling Parameter for Power-Law-Distributed Solar Data"*, `2016SoPh..291.1561D` ADS

D'Huys, E., Seaton, D. B., Poedts, S., & Berghmans, D., *"Observing the Unobservable: Identification and Characterisation of Stealth Coronal Mass Ejections"*, `2016SPD....4740401D` ADS

Lazar, M., Shaaban, S. M., Poedts, S., & Štverák, Š., *"Firehose constraints for the solar wind suprathermal electrons"*, `2016arXiv160405628L` ADS

Ismayilli, R. F., Dzhalilov, N. S., Shergelashvili, B. M., Poedts, S., & Pirguliyev, M. S., *"Shear Instability Analysis of MHD Discontinuities in the Solar Wind Conditions"*, `2016AzAJ...11a..23I` ADS

Shevchuk, N. V., Melnik, V. N., Poedts, S., et al., *"The Storm of Decameter Spikes During the Event of 14 June 2012"*, `2016SoPh..291..211S` ADS

Shaaban, S. M., Lazar, M., Poedts, S., & Elhanbaly, A., *"Effects of Electrons on the Electromagnetic Ion Cyclotron Instability: Solar Wind Implications"*, `2015ApJ...814...34S` ADS

Maneva, Y. G., Viñas, A. F., Moya, P. S., Wicks, R. T., & Poedts, S., *"Dissipation of Parallel and Oblique Alfvén-Cyclotron Waves-Implications for Heating of Alpha Particles in the Solar Wind"*, `2015ApJ...814...33M` ADS

Chané, E., Raeder, J., Saur, J., et al., *"Simulations of the Earth's magnetosphere embedded in sub-Alfvénic solar wind on 24 and 25 May 2002"*, `2015JGRA..120.8517C` ADS

Al-Ubaidi, T., Khodachenko, M. L., Kallio, E. J., et al., *"iSPHERE - A New Approach to Collaborative Research and Cloud Computing"*, `2015EPSC...10..211A` ADS

Lazar, M., Poedts, S., & Fichtner, H., *"Destabilizing effects of the suprathermal populations in the solar wind"*, `2015A&A...582A.124L` ADS

Mghebrishvili, I., Zaqarashvili, T. V., Kukhianidze, V., et al., *"Dynamics of a Solar Prominence Tornado Observed by SDO/AIA on 2012 November 7-8"*, `2015ApJ...810...89M` ADS

Al-Haddad, N., Farrugia, C., Poedts, S., & Lugaz, N., *"Evolution of non-flux rope CMEs"*, `2015shin.confE.170A` ADS

Dorovskyy, V. V., Melnik, V. N., Konovalenko, A. A., et al., *"Fine and Superfine Structure of the Decameter-Hectometer Type II Burst on 7 June 2011"*, `2015SoPh..290.2031D` ADS

Pomoell, J., Aran, A., Jacobs, C., et al., *"Modelling large solar proton events with the shock-and-particle model. Extraction of the characteristics of the MHD shock front at the cobpoint"*, `2015JSWSC...5A..12P` ADS

Vashalomidze, Z., Kukhianidze, V., Zaqarashvili, T. V., et al., *"Formation and evolution of coronal rain observed by SDO/AIA on February 22, 2012"*, `2015A&A...577A.136V` ADS

Pagano, P., Mackay, D. H., & Poedts, S., *"Numerical Simulations of a Flux Rope Ejection"*, `2015JApA...36..123P` ADS

Dorovskyy, V. V., Melnik, V. N., Konovalenko, A. A., et al., *"Decameter U-burst Harmonic Pair from a High Loop"*, `2015SoPh..290..181D` ADS

Lazar, M., Schlickeiser, R., Poedts, S., Stockem, A., & Vafin, S., *"Constraints for the aperiodic O-mode streaming instability"*, `2015PhPl...22a2102L` ADS

Lazar, M., Poedts, S., Schlickeiser, R., & Dumitrache, C., *"Towards realistic parametrization of the kinetic anisotropy and the resulting instabilities in space plasmas. Electromagnetic electron-cyclotron instability in the solar wind"*, `2015MNRAS.446.3022L` ADS

Lazar, M., Poedts, S., & Schlickeiser, R., *"The interplay of Kappa and core populations in the solar wind: Electromagnetic electron cyclotron instability"*, `2014JGRA..119.9395L` ADS

Chané, E., Saur, J., & Poedts, S., *"Jupiter's Main Auroral Emission for Different Solar Wind Conditions"*, `2014AGUFMSM24B..09C` ADS

Pierrard, V., Poedts, S., & Lazar, M., *"Implication of Kappa models in realistic parameterization of the kinetic anisotropy and the resulting instabilities in space plasmas"*, `2014AGUFMSH41A4115P` ADS

Maneva, Y. G., Araneda, J. A., & Poedts, S., *"Kinetic Effects in Parametric Instabilities of Finite Amplitude Alfven Waves in a Drifting Multi-Species Plasma"*, `2014AGUFMSH33A4144M` ADS

Alvarez Laguna, A., Lani, A., Poedts, S., Mansour, N. N., & Kosovichev, A. G., *"Three-Dimensional Magnetic Reconnection Under Low Chromospheric Conditions Using a Two-Fluid Weakly Ionized Reactive Plasma Model"*, `2014AGUFMSH23A4151A` ADS

Lazar, M., Pomoell, J., Poedts, S., Dumitrache, C., & Popescu, N. A., *"Solar Wind Electron Strahls Associated with a High-Latitude CME: Ulysses Observations"*, `2014SoPh..289.4239L` ADS

Zuccarello, F. P., Seaton, D. B., Filippov, B., et al., *"Erratum: "Observational Evidence of Torus Instability as Trigger Mechanism for Coronal Mass Ejections: The 2011 August 4 Filament Eruption" <A href="/abs/2014ApJ...785...88Z">(2014, ApJ, 785, 88)</A>"*, `2014ApJ...795..175Z` ADS

D'Huys, E., Seaton, D. B., Poedts, S., & Berghmans, D., *"Observational Characteristics of Coronal Mass Ejections without Low-coronal Signatures"*, `2014ApJ...795...49D` ADS

Yalim, M. S. & Poedts, S., *"3D Global Magnetohydrodynamic Simulations of the Solar Wind/Earth's Magnetosphere Interaction"*, `2014ASPC..488..192Y` ADS

Uchava, E. S., Shergelashvili, B. M., Tevzadze, A. G., & Poedts, S., *"Overstability of acoustic waves in strongly magnetized anisotropic magnetohydrodynamic shear flows"*, `2014PhPl...21h2902U` ADS

Pagano, P., Mackay, D. H., & Poedts, S., *"Simulating AIA observations of a flux rope ejection"*, `2014A&A...568A.120P` ADS

Al-Haddad, N., Poedts, S., Farrugia, C. J., & Lugaz, N., *"Writhe vs. twist as a dominating feature of ICMEs' magnetic field"*, `2014shin.confE...6A` ADS

Rodríguez-Gasén, R., Aran, A., Sanahuja, B., Jacobs, C., & Poedts, S., *"Variation of Proton Flux Profiles with the Observer's Latitude in Simulated Gradual SEP Events"*, `2014SoPh..289.1745R` ADS

Melnik, V. N., Shevchuk, N. V., Konovalenko, A. A., et al., *"Solar Decameter Spikes"*, `2014SoPh..289.1701M` ADS

Zuccarello, F. P., Seaton, D. B., Mierla, M., et al., *"Observational Evidence of Torus Instability as Trigger Mechanism for Coronal Mass Ejections: The 2011 August 4 Filament Eruption"*, `2014ApJ...785...88Z` ADS

Gogoberidze, G., Voitenko, Y., Poedts, S., & De Keyser, J., *"Electrostatic plasma instabilities driven by neutral gas flows in the solar chromosphere"*, `2014MNRAS.438.3568G` ADS

Poedts, S., *"The ESA Virtual Space Weather Modelling Centre - Phase 1"*, `2014cosp...40E2576P` ADS

Al-haddad, N., Farrugia, C., Poedts, S., & Lugaz, N., *"The Magnetic Field Structure of Writhed ICMEs vs. Twisted ICMEs"*, `2014cosp...40E..47A` ADS

Lazar, M., Poedts, S., Schlickeiser, R., & Ibscher, D., *"The Electron Firehose and Ordinary-Mode Instabilities in Space Plasmas"*, `2014SoPh..289..369L` ADS

Lazar, M. & Poedts, S., *"Instability of the parallel electromagnetic modes in Kappa distributed plasmas - II. Electromagnetic ion-cyclotron modes"*, `2014MNRAS.437..641L` ADS

Zuccarello, F. P., Romano, P., Zuccarello, F., & Poedts, S., *"Shearing motions and torus instability in the 2010 April 3 filament eruption"*, `2014IAUS..300..475Z` ADS

Pagano, P., Mackay, D. H., & Poedts, S., *"Magnetohydrodynamic study on the effect of the gravity stratification on flux rope ejections"*, `2014IAUS..300..197P` ADS

Yalim, M. S. & Poedts, S., *"Variations in EUV Irradiance: Comparison between LYRA, ESP, and SWAP Integrated Flux"*, `2014AdAst2014E..15Y` ADS

Chané, E., Raeder, J., Saur, J., Neubauer, F. M., & Poedts, S., *"Global Simulations of the Magnetosphere under Sub-Alfvénic Solar Wind Conditions. (Invited)"*, `2013AGUFMSM44A..05C` ADS

Chané, E., Saur, J., & Poedts, S., *"On the Influence of the Solar Wind Density on the Jovian Main Auroral Emission"*, `2013AGUFMSM11E..06C` ADS

Pagano, P., Mackay, D. H., & Poedts, S., *"Effect of gravitational stratification on the propagation of a CME"*, `2013A&A...560A..38P` ADS

Bonte, K., Berghmans, D., De Groof, A., Steed, K., & Poedts, S., *"So-FAST: Automated Flare Detection with the PROBA2/SWAP EUV Imager"*, `2013SoPh..286..185B` ADS

Selwa, M., Poedts, S., & DeVore, C. R., *"Numerical Simulations of Dome-Shaped EUV Waves from Different Active-Region Configurations"*, `2013SoPh..284..515S` ADS

Dorovskyy, V. V., Melnik, V. M., Konovalenko, O. O., et al., *"Properties of the complex type II burst with rich herringbone structure within 3-33 MHz"*, `2013RRPRA..18..107D` ADS

Pagano, P., Mackay, D. H., & Poedts, S., *"Magnetohydrodynamic simulations of the ejection of a magnetic flux rope"*, `2013A&A...554A..77P` ADS

Lazar, M., Poedts, S., & Michno, M. J., *"Electromagnetic electron whistler-cyclotron instability in bi-Kappa distributed plasmas"*, `2013A&A...554A..64L` ADS

Al-Haddad, N., Nieves-Chinchilla, T., Savani, N. P., et al., *"Magnetic Field Configuration Models and Reconstruction Methods for Interplanetary Coronal Mass Ejections"*, `2013SoPh..284..129A` ADS

Horne, R. B., Glauert, S. A., Meredith, N. P., et al., *"Forecasting the Earth's radiation belts and modelling solar energetic particle events: Recent results from SPACECAST"*, `2013JSWSC...3A..20H` ADS

Chané, E., Saur, J., & Poedts, S., *"Modeling Jupiter's magnetosphere: Influence of the internal sources"*, `2013JGRA..118.2157C` ADS

Lapenta, G., Pierrard, V., Keppens, R., et al., *"SWIFF: Space weather integrated forecasting framework"*, `2013JSWSC...3A..05L` ADS

Chané, E., Saur, J., & Poedts, S., *"Global Simulations of the Jovian Magnetosphere"*, `2012AGUFMSM51A2293C` ADS

Poedts, S., Chané, E., Saur, J., Neubauer, F. M., & Raeder, J., *"Observational Evidence of Alfvén Wings at the Earth"*, `2012AGUFMSM12A..01P` ADS

Zuccarello, F. P., Meliani, Z., & Poedts, S., *"Numerical modeling of the initiation of coronal mass ejections in active region NOAA 9415"*, `2012AGUFMSH33E..02Z` ADS

Al-haddad, N. A., Nieves-Chinchilla, T., Savani, N. P., et al., *"Magnetic Field Structure in ICMEs: Comparison and Validity of Different Models"*, `2012AGUFMSH31A2202A` ADS

Zuccarello, F. P., Bemporad, A., Jacobs, C., et al., *"The role of streamers in the deflection of coronal mass ejections: comparison between STEREO 3D reconstructions and numerical simulations"*, `2012AGUFMSH31A2200Z` ADS

Aran, A., Jacobs, C., Sanahuja, B., et al., *"Influence of the interplanetary shock on the radial dependence of solar energetic particle intensities"*, `2012AGUFMSH21A2173A` ADS

Bemporad, A., Zuccarello, F. P., Jacobs, C., Mierla, M., & Poedts, S., *"Study of Multiple Coronal Mass Ejections at Solar Minimum Conditions"*, `2012SoPh..281..223B` ADS

Jacobs, C. & Poedts, S., *"A Numerical Study of the Response of the Coronal Magnetic Field to Flux Emergence"*, `2012SoPh..280..389J` ADS

Nakariakov, V. M., Georgoulis, M. K., Poedts, S., et al., *"Preface"*, `2012SoPh..280..295N` ADS

Zuccarello, F. P., Meliani, Z., & Poedts, S., *"Numerical Modeling of the Initiation of Coronal Mass Ejections in Active Region NOAA 9415"*, `2012ApJ...758..117Z` ADS

Chané, E., Saur, J., Neubauer, F. M., Raeder, J., & Poedts, S., *"Observational evidence of Alfvén wings at the Earth"*, `2012JGRA..117.9217C` ADS

Al-haddad, N., Möstl, C., Roussev, I., et al., *"Magnetic Field Configuration Models and Reconstruction Methods: a comparative study"*, `2012cosp...39...32A` ADS

Zuccarello, F. P., Bemporad, A., Jacobs, C., et al., *"The role of streamers in the deflection of coronal mass ejections"*, `2012IAUS..286..134Z` ADS

Al-Haddad, N., Nieves-Chinchilla, T., Savani, N., et al., *"Magnetic Field Configuration Models and Reconstruction Methods"*, `2012shin.confE.155A` ADS

Zuccarello, F. P., Meliani, Z., & Poedts, S., *"Numerical modeling of the initiation of coronal mass ejections in active region NOAA 9415"*, `2012shin.confE..37Z` ADS

Saleem, H., Ali, S., & Poedts, S., *"Self-heating of Corona by Electrostatic Fields Driven by Sheared Flows"*, `2012ApJ...748...90S` ADS

Lazar, M., Schlickeiser, R., & Poedts, S., *"Suprathermal Particle Populations in the Solar Wind and Corona"*,, in Exploring the Solar Wind, 241–260 `2012esw..book..241L` ADS

Selwa, M., Poedts, S., & DeVore, C. R., *"Dome-shaped EUV Waves from Rotating Active Regions"*, `2012ApJ...747L..21S` ADS

Osmanov, Z., Rogava, A., & Poedts, S., *"Self-heating in kinematically complex magnetohydrodynamic flows"*, `2012PhPl...19a29010` ADS

Zuccarello, F. P., Bemporad, A., Jacobs, C., et al., *"The Role of Streamers in the Deflection of Coronal Mass Ejections: Comparison between STEREO Three-dimensional Reconstructions and Numerical Simulations"*, `2012ApJ...744...66Z` ADS

Lazar, M., Pierrard, V., Poedts, S., & Schlickeiser, R., *"Modeling Space Plasma Dynamics with Anisotropic Kappa Distributions"*, `2012ASSP...33...97L` ADS

Zuccarello, F. P., Romano, P., Zuccarello, F., & Poedts, S., *"The role of photospheric shearing motions in a filament eruption related to the 2010 April 3 coronal mass ejection"*, `2012A&A...537A..28Z` ADS

Jacobs, C. & Poedts, S., *"A polytropic model for the solar wind"*, `2011AdSpR..48.1958J` ADS

Chané, E., Saur, J., & Poedts, S., *"The MI-coupling in global simulations of the Jovian and Kronian magnetospheres"*, `2011AGUFMSM11A2013C` ADS

Al-haddad, N. A., Roussev, I. I., Jacobs, C., et al., *"Multi-Spacecraft Reconstruction of the Magnetic Fields InICMEs with Writhe Structure"*, `2011AGUFMSH51A1995A` ADS

Dalakishvili, G., Kleimann, J., Fichtner, H., & Poedts, S., *"Magnetic clouds in the solar wind: a numerical assessment of analytical models"*, `2011A&A...536A.100D` ADS

Lazar, M., Poedts, S., & Schlickeiser, R., *"Proton firehose instability in bi-Kappa distributed plasmas"*, `2011A&A...534A.116L` ADS

Al-Haddad, N., Roussev, I. I., Möstl, C., et al., *"On the Internal Structure of the Magnetic Field in Magnetic Clouds and Interplanetary Coronal Mass Ejections: Writhe versus Twist"*, `2011ApJ...738L..18A` ADS

Al-Haddad, N., Alhaddad, N., Jacobs, C., et al., *"On the Internal Structure of the Magnetic Field in Magnetic Clouds and Interplanetary Coronal Mass Ejections: Writhe Vs. Twist"*, `2011shin.confE.134A` ADS

Gogoberidze, G., Poedts, S., & Akhalkatsi, M., *"Models of Imbalanced MHD Turbulence"*, `2011AIPC.1356...75G` ADS

Gogoberidze, G., Mahajan, S., Poedts, S., & Akhalkatsi, M., *"Weak and Strong MHD Turbulence"*, `2011AIPC.1356...67G` ADS

Jacobs, C. & Poedts, S., *"Models for coronal mass ejections"*, `2011JASTP..73.1148J` ADS

Rodríguez-Gasén, R., Aran, A., Sanahuja, B., Jacobs, C., & Poedts, S., *"Why should the latitude of the observer be considered when modeling gradual proton events? An insight using the concept of cobpoint"*, `2011AdSpR..47.2140R` ADS

Zuccarello, F. P., Romano, P., Zuccarello, F., & Poedts, S., *"Magnetic helicity balance during a filament eruption that occurred in active region NOAA 9682"*, `2011A&A...530A..36Z` ADS

Bonte, K., Jacobs, C., Robbrecht, E., et al., *"Validation of CME Detection Software (CACTus) by Means of Simulated Data, and Analysis of Projection Effects on CME Velocity Measurements"*, `2011SoPh..270..253B` ADS

Ehsan, Z., Tsintsadze, N. L., Vranjes, J., Khan, R., & Poedts, S., *"Acceleration of dust particles by vortex ring"*, `2011JPlPh..77..155E` ADS

Dalakishvili, G., Rogava, A., Lapenta, G., & Poedts, S., *"Investigation of dynamics of self-similarly evolving magnetic clouds"*, `2011A&A...526A..22D` ADS

Lazar, M., Poedts, S., & Schlickeiser, R., *"Instability of the parallel electromagnetic modes in Kappa distributed plasmas - I. Electron whistler-cyclotron modes"*, `2011MNRAS.410..663L` ADS

Chané, E., Saur, J., & Poedts, S., *"A Model to study Jupiter's Magnetosphere and the Ionosphere-Magnetosphere Coupling"*, `2010AGUFMSM51B1784C` ADS

Zuccarello, F. P., Smyrli, A., Romano, P., & Poedts, S., *"Trend of photospheric magnetic helicity flux in active regions generating halo CMEs"*, `2010AGUFMSH43B1817Z` ADS

Aran, A., Agueda, N., Jacobs, C., et al., *"0.5 - 165 MeV proton and 102 - 312 keV electron injections during the 2006 December 13 SEP event"*, `2010AGUFMSH33A1824A` ADS

Lapenta, G., Bettarini, L., Poedts, S., & Soteria Team, *"CME and Flare Initiation Challenge"*, `2010AGUFMSH23B1848L` ADS

Soenen, A., Jacobs, C., Poedts, S., et al., *"Observational and numerical study of the 25 July 2004 event"*, `2010AGUFMSH23B1843S` ADS

Vranjes, J. & Poedts, S., *"Drift waves in the corona: heating and acceleration of ions at frequencies far below the gyrofrequency"*, `2010MNRAS.408.1835V` ADS

Vranjes, J. & Poedts, S., *"Kinetic Instability of Drift-Alfvén Waves in Solar Corona and Stochastic Heating"*, `2010ApJ...719.1335V` ADS

Bemporad, A., Soenen, A., Jacobs, C., Landini, F., & Poedts, S., *"Side Magnetic Reconnections Induced by Coronal Mass Ejections: Observations and Simulations"*, `2010ApJ...718..251B` ADS

Rogava, A., Osmanov, Z., & Poedts, S., *"Self-heating and its possible relationship to chromospheric heating in slowly rotating stars"*, `2010MNRAS.404..224R` ADS

Chané, E., Saur, J., & Poedts, S., *"Global MHD Simulations of Jupiter's Magnetosphere: Study of the Ionosphere-Magnetosphere Coupling."*, `2010EGUGA..12.4691C` ADS

Goedbloed, J. P., Keppens, R., & Poedts, S.: 2010, *Advanced Magnetohydrodynamics* `2010adma.book.....G` ADS

Shapakidze, D., Debosscher, A., Rogava, A., & Poedts, S., *"Consistent Self-Similar Magnetohydrodynamics Evolution of Coronal Transients"*, `2010ApJ...712..565S` ADS

Lazar, M., Poedts, S., & Schlickeiser, R., *"Nonresonant electromagnetic instabilities in space plasmas: interplay of Weibel and firehose instabilities"*, `2010AIPC.1216..280L` ADS

Romashets, E., Vandas, M., & Poedts, S., *"Modeling of Local Magnetic Field Enhancements within Solar Flux Ropes"*, `2010SoPh..261..271R` ADS

Lazar, M., Dieckmann, M. E., & Poedts, S., *"Resonant Weibel instability in counterstreaming plasmas with temperature anisotropies"*, `2010JPlPh..76...49L` ADS

Crosby, N. B., Glover, A., Aran, A., et al., *"SEPEM -Solar Energetic Particle Environment Modelling"*, `2010cosp...38.4225C` ADS

Rodriguéz-Gasen, R., Lugaz, N., Aran, A., Sanahuja, B., & Poedts, S., *"Simulation of a multi-spacecraft detected gradual SEP event by using a shock-and-particle model starting at 4 solar radii"*, `2010cosp...38.4210R` ADS

Rodriguéz-Gasen, R., Aran, A., Sanahuja, B., Jacobs, C., & Poedts, S., *"Simulations of SEP events: does the latitude of the observer play a significant role on the proton flux profiles?"*, `2010cosp...38.4209R` ADS

Aran, A., Jacobs, C., Sanahuja, B., et al., *"Influence of the interplanetary shock on the heliocentric radial variations of gradual SEP events"*, `2010cosp...38.4157A` ADS

Lazar, M., Tautz, R. C., Schlickeiser, R., & Poedts, S., *"Counterstreaming magnetized plasmas with kappa distributions - II. Perpendicular wave propagation"*, `2010MNRAS.401..362L` ADS

Vranjes, J. & Poedts, S., *"Electric fields in solar magnetic structures due to gradient-driven instabilities: heating and acceleration of particles"*, `2009MNRAS.400.2147V` ADS

Chané, E., Saur, J. S., & Poedts, S., *"Global MHD simulations of Jupiter's magnetosphere: study of the ionosphere-magnetosphere coupling"*, `2009AGUFMSM23B1610C` ADS

Watermann, J., Wintoft, P., Sanahuja, B., et al., *"Models of Solar Wind Structures and Their Interaction with the Earth's Space Environment"*, `2009SSRv..147..233W` ADS

Gogoberidze, G., Voitenko, Y., Poedts, S., & Goossens, M., *"Farley-Buneman Instability in the Solar Chromosphere"*, `2009ApJ...706L..12G` ADS

Dalakishvili, G., Poedts, S., Fichtner, H., & Romashets, E., *"Characteristics of magnetised plasma flow around stationary and expanding magnetic clouds"*, `2009A&A...507..611D` ADS

Zuccarello, F. P., Jacobs, C., Soenen, A., et al., *"Modelling the initiation of coronal mass ejections: magnetic flux emergence versus shearing motions"*, `2009A&A...507..441Z` ADS

Romano, P., Zuccarello, F., Poedts, S., Soenen, A., & Zuccarello, F. P., *"Magnetic helicity and active filament configuration"*, `2009A&A...506..895R` ADS

Soenen, A., Bemporad, A., Jacobs, C., & Poedts, S., *"The role of lateral magnetic reconnection in solar eruptive events"*, `2009AnGeo..27.3941S` ADS

Kuridze, D., Zaqarashvili, T. V., Shergelashvili, B. M., & Poedts, S., *"Acoustic oscillations in the field-free, gravitationally stratified cavities under solar bipolar magnetic canopies"*, `2009A&A...505..763K` ADS

Vranjes, J. & Poedts, S., *"Solar nanoflares and other smaller energy release events as growing drift waves"*, `2009PhPl...16i2902V` ADS

Vranjes, J. & Poedts, S., *"The universally growing mode in the solar atmosphere: coronal heating by drift waves"*, `2009MNRAS.398..918V` ADS

Lazar, M. & Poedts, S., *"Limits for the Firehose Instability in Space Plasmas"*, `2009SoPh..258..119L` ADS

Vranjes, J. & Poedts, S., *"Diamagnetic current does not produce an instability in the solar corona"*, `2009A&A...503..591V` ADS

Vanaverbeke, S., Keppens, R., Poedts, S., & Boffin, H., *"GRADSPH: A parallel smoothed particle hydrodynamics code for self-gravitating astrophysical fluid dynamics"*, `2009CoPhC.180.1164V` ADS

Soenen, A., Zuccarello, F. P., Jacobs, C., et al., *"Numerical simulations of homologous coronal mass ejections in the solar wind"*, `2009A&A...501.1123S` ADS

Rodriguéz, L., Zhukov, A. N., Cid, C., et al., *"Three frontside full halo coronal mass ejections with a nontypical geomagnetic response"*, `2009SpWea...7.6003R` ADS

Soenen, A., Poedts, S., & Bemporad, A., *"The Role of Lateral Magnetic Reconnections in Solar Eruptive Events"*, `2009SPD....40.2210S` ADS

Vranjes, J. & Poedts, S., *"A New Paradigm for Coronal Heating!"*, `2009SPD....40.1201V` ADS

Poedts, S., Jacobs, C., van der Holst, B., Chané, E., & Keppens, R., *"Numerical simulations of the solar corona and Coronal Mass Ejections"*, `2009EP&S...61..599P` ADS

Vranjes, J. & Poedts, S., *"A new paradigm for solar coronal heating"*, `2009EL.....8639001V` ADS

Chané, E., Saur, J., & Poedts, S., *"Simulations of the Jovian magnetosphere"*, `2009EGUGA..11.9833C` ADS

Jacobs, C., Roussev, I. I., Lugaz, N., & Poedts, S., *"The Internal Structure of Coronal Mass Ejections: Are all Regular Magnetic Clouds Flux Ropes?"*, `2009ApJ...695L.171J` ADS

Poedts, S., Soenen, A., Zuccarello, F. P., Jacobs, C., & van der Holst, B., *"Magnetic Flux Emergence and Shearing Motions as Trigger Mechanisms for Coronal Mass Ejections"*, `2009AIPC.1121...99P` ADS

Lazar, M., Schlickeiser, R., Wielebinski, R., & Poedts, S., *"Cosmological Effects of Weibel-Type Instabilities"*, `2009ApJ...693.1133L` ADS

Dasso, S., Mandrini, C. H., Schmieder, B., et al., *"Linking two consecutive nonmerging magnetic clouds with their solar sources"*, `2009JGRA..114.2109D` ADS

Zuccarello, F. P., Soenen, A., Poedts, S., Zuccarello, F., & Jacobs, C., *"Initiation of Coronal Mass Ejections by Magnetic Flux Emergence in the Framework of the Breakout Model"*, `2008ApJ...689L.157Z` ADS

Chané, E., Poedts, S., & van der Holst, B., *"On the combination of ACE data with numerical simulations to determine the initial characteristics of a CME"*, `2008A&A...492L..29C` ADS

Lazar, M., Schlickeiser, R., Poedts, S., & Tautz, R. C., *"Counterstreaming magnetized plasmas with kappa distributions - I. Parallel wave propagation"*, `2008MNRAS.390..168L` ADS

Kuridze, D., Zaqarashvili, T. V., Shergelashvili, B. M., & Poedts, S., *"Acoustic oscillations in a field-free cavity under solar small-scale bipolar magnetic canopy"*, `2008AnGeo..26.2983K` ADS

Lazar, M., Poedts, S., & Schlickeiser, R., *"Radiative Relaxation of Space Plasma Anisotropies"*, `2008ESPM...12.3.71L` ADS

Soenen, A., Poedts, S., & van der Holst, B., *"Parametric Study of Breakout Coronal Mass Ejections in the Solar Wind"*, `2008ESPM...12.3.57S` ADS

Jacobs, C., Lugaz, N., Poedts, S., & Roussev, I., *"Numerical Modeling of the Initiation of Coronal Mass Ejections"*, `2008ESPM...12.3.56J` ADS

Zuccarello, F. P., Soenen, A., & Poedts, S., *"Modelling the Initiation of Coronal Mass Ejections by Magnetic Flux Emergence"*, `2008ESPM...12.3.55Z` ADS

Vranjes, J., Poedts, S., & Saleem, H., *"Drift Mode Driven by Shear Plasma Flow in Solar Atmosphere"*, `2008ESPM...12.3.21V` ADS

Vranjes, J., Poedts, S., Pandey, B. P., & de Pontieu, B. P., *"Flux of Alfven Waves in the Solar Photosphere"*, `2008ESPM...12.3.10V` ADS

Poedts, S., Soenen, A., Zuccarello, F. P., Jacobs, C., & van der Hoist, B., *"Magnetic flux emergence and shearing motions as CME trigger mechanisms"*, `2008AIPC.1043..291P` ADS

Vranjes, J., Pandey, B. P., & Poedts, S., *"Coupled gas acoustic and ion acoustic waves in weakly ionized plasma"*, `2008POBeo..84..507V` ADS

Vranjes, J., Saleem, H., & Poedts, S., *"Magnetic field generation at ion acoustic time scale"*, `2008POBeo..84..503V` ADS

Vranjes, J. & Poedts, S., *"Growing drift-cyclotron modes in the hot solar atmosphere"*, `2008A&A...482..653V` ADS

Romashets, E. P., Poedts, S., & Vandas, M., *"Modeling of the magnetic field in the magnetosheath region"*, `2008JGRA..113.2203R` ADS

Rodriguéz, L., Zhukov, A. N., Dasso, S., et al., *"Magnetic clouds seen at different locations in the heliosphere"*, `2008AnGeo..26..213R` ADS

Vranjes, J., Poedts, S., Pandey, B. P., & de Pontieu, B., *"Energy flux of Alfvén waves in weakly ionized plasma"*, `2008A&A...478..553V` ADS

Rodriguéz-Gasen, R., Aran, A., Sanahuja, B., Jacobs, C., & Poedts, S., *"Determination of the cobpoint evolution using 3D MHD simulations for the propagation of CME-driven shocks"*, `2008cosp...37.2637R` ADS

Crosby, N. B., Glover, A., Gabriel, S., et al., *"Advances in Solar Energetic Particle Statistical and Physical Modelling as part of the SEPEM Study."*, `2008cosp...37..605C` ADS

van der Holst, B., Jacobs, C., & Poedts, S., *"Simulation of a Breakout Coronal Mass Ejection in the Solar Wind"*, `2007ApJ...671L..77V` ADS

Chané, E., Poedts, S., & Saur, J., *"Numerical Simulations of the Jovian Magnetosphere: Influence of the Solar Wind"*, `2007AGUFMSM53A1080C` ADS

Romashets, E. & Poedts, S., *"Plasma flows around magnetic obstacles in the solar wind"*, `2007A&A...475.1093R` ADS

Shergelashvili, B. M., Maes, C., Poedts, S., & Zaqarashvili, T. V., *"Amplification of compressional magnetohydrodynamic waves in systems with forced entropy oscillations"*, `2007PhRvE..76d6404S` ADS

Jacobs, C., Poedts, S., van der Holst, B., Dubey, G., & Keppens, R., *"Numerical simulations of the initiation and the IP evolution of coronal mass ejections"*, `2007AIPC..934..101J` ADS

Chané, E. & Poedts, S., *"The jovian magnetosphere: numerical simulations."*, `2007epsc.conf..755C` ADS

Rogava, A., Gogoberidze, G., & Poedts, S., *"Overreflection and Generation of Gravito-Alfvén Waves in Solar-Type Stars"*, `2007ApJ...664.1221R` ADS

Van Doorsselaere, T., Andries, J., & Poedts, S., *"Observational evidence favors a resistive wave heating mechanism for coronal loops over a viscous phenomenon"*, `2007A&A...471..311V` ADS

Saleem, H., Vranjes, J., & Poedts, S., *"Unstable drift mode driven by shear plasma flow in solar spicules"*, `2007A&A...471..289S` ADS

Gogoberidze, G., Rogava, A., & Poedts, S., *"Quantifying Shear-induced Wave Transformations in the Solar Wind"*, `2007ApJ...664..549G` ADS

Jacobs, C., van der Holst, B., & Poedts, S., *"Comparison between 2.5D and 3D simulations of coronal mass ejections"*, `2007A&A...470..359J` ADS

Poedts, S., van der Holst, B., Jacobs, C., et al., *"Numerical Simulations of the Initiation and the IP Evolution of Coronal Mass Ejections"*, `2007AAS...210.2925P` ADS

Romashets, E., Vandas, M., & Poedts, S., *"Modeling of the three-dimensional motion of toroidal magnetic clouds in the inner heliosphere"*, `2007A&A...466..357R` ADS

Arregui, I., Andries, J., Van Doorsselaere, T., Goossens, M., & Poedts, S., *"MHD seismology of coronal loops using the period and damping of quasi-mode kink oscillations"*, `2007A&A...463..333A` ADS

Vranjes, J., Poedts, S., & Pandey, B. P., *"Comment on "Heating of the Solar Corona by Dissipative Alfvén Solitons""*, `2007PhRvL..98d9501V` ADS

Poedts, S., van der Holst, B., Jacobs, C., et al., *"Simulating CME Initiation and Evolution: State-of-the-art"*, `2007ASSL..344...39P` ADS

Petrović, D., Vranjes, J., & Poedts, S., *"Analysis of the effect of neutral flow on the waves in the solar photosphere"*, `2007A&A...461..277P` ADS

Dubey, G., van der Holst, B., & Poedts, S., *"The initiation of coronal mass ejections by magnetic flux emergence"*, `2006A&A...459..927D` ADS

Vranjes, J. & Poedts, S., *"Growing drift-Alfvén modes in collisional solar plasma"*, `2006A&A...458..635V` ADS

Dubey, G., van der Holst, B., & Poedts, S., *"Initiation of CMEs by Magnetic Flux Emergence"*, `2006JApA...27..159D` ADS

Vranjes, J., Pandey, B. P., & Poedts, S., *"Collisional instability of the drift wave in multi-component plasmas"*, `2006P&SS...54..695V` ADS

Romashets, E., Vandas, M., & Poedts, S., *"On the Motion of Toroidal Magnetic Clouds in the Solar Corona and Inner Heliosphere"*, `2006ESASP.617E.144R` ADS

Jacobs, C., Poedts, S., & van der Holst, B., *"3D Evolution of a "Density-Driven" CME Event"*, `2006ESASP.617E.140J` ADS

Dubey, G., Poedts, S., van der Holst, B., & Gryp, M., *"On the Effect of the Background Solar Wind on CME's Initiated by Flux Emergence"*, `2006ESASP.617E.125D` ADS

Chané, E., Poedts, S., & van der Holst, B., *"CME Modeling: An a Posteriori Approach"*, `2006ESASP.617E.120C` ADS

Vranjes, J. & Poedts, S., *"Ion Sound in Highly Collisional, Partially Ionized Plasma"*, `2006ESASP.617E.116V` ADS

van Doorsselaere, T., Poedts, S., Andries, J., & Arregui, I., *"Time Dependent Simulations of 2D Coronal Loop Models"*, `2006ESASP.617E.113V` ADS

Arregui, I., Andries, J., Van Doorsselaere, T., Goossens, M., & Poedts, S., *"Seismology of Coronal Loops Using the Period and Damping of Quasi-Mode Kink Oscillations"*, `2006ESASP.617E..81A` ADS

Vranjes, J., Petrovic, D., Poedts, S., Kono, M., & Čadež, V. M., *"Unstable kinetic Alfvén wave in partially ionized plasma"*, `2006P&SS...54..641V` ADS

Shergelashvili, B. M., Poedts, S., & Pataraya, A. D., *"Nonmodal Cascade in the Compressible Solar Atmosphere: Self-Heating, an Alternative Way to Enhance Wave Heating"*, `2006ApJ...642L..73S` ADS

Jacobs, C., Poedts, S., & van der Holst, B., *"The effect of the solar wind on CME triggering by magnetic foot point shearing"*, `2006A&A...450..793J` ADS

Arregui, I., Van Doorsselaere, T., Andries, J., Goossens, M., & Poedts, S., *"Quasi-mode damping in two-dimensional fully non-uniform coronal loops"*, `2006RSPTA.364..529A` ADS

Chané, E., van der Holst, B., Jacobs, C., Poedts, S., & Kimpe, D., *"Inverse and normal coronal mass ejections: evolution up to 1 AU"*, `2006A&A...447..727C` ADS

Shergelashvili, B. M., Poedts, S., & Pataraya, A. D., *"Transient Amplification of Disturbances in the Solar Atmosphere: a Mechanism for CME Initiation?"*, `2005ESASP.600E.165S` ADS

Jacobs, C., Poedts, S., & van der Holst, B., *"Triggering CMES by Magnetic Foot Point Shearing: a Parameter Study"*, `2005ESASP.600.158J` ADS

Chané, E., van der Holst, B., *"CME Modeling: the a Posteriori Approach"*, `2005ESASP.600E.154C` ADS

Vranjes, J. & Poedts, S., *"Low Frequency Waves in Spatially Bounded Plasma"*, `2005ESASP.600E.104V` ADS

Shergelashvili, B. M., Poedts, S., & Pataraya, A. D., *"Non-Modal Self-Heating of the Solar Atmosphere: AN Alternative way to Enhance the Wave Heating Process"*, `2005ESASP.600E..98S` ADS

van Doorsselaere, T., Poedts, S., Arregui, I., & Andries, J., *"Building a Time Dependent Code to Simulate Oscillations of Line-Tied Coronal Loops"*, `2005ESASP.600E..83V` ADS

Vranjes, J. & Poedts, S., *"Electrostatic Modes in Partially Ionized Plasma"*, `2005ESASP.600E..68V` ADS

Petrovic, D., Vranjes, J., & Poedts, S., *"Collisional Drift Instability in Plasmas with Inelastic Collisions"*, `2005ESASP.600E..67P` ADS

de Groof, A., Müller, D. A. N., & Poedts, S., *"Multiwavelength Analysis of Downflows Along AN Off-Limb Loop"*, `2005ESASP.600E..29D` ADS

Arregui, I., van Doorsselaere, T., Andries, J., Goossens, M., & Poedts, S., *"Seismology of Coronal Loops Using Resonant Absorption"*, `2005ESASP.600E..21A` ADS

, *"The Dynamic Sun: Challenges for Theory and Observations"*, `2005ESASP.600E....D` ADS

van der Holst, B., Poedts, S., Chané, E., et al., *"Modelling of Solar Wind, CME Initiation and CME Propagation"*, `2005SSRv..121...91V` ADS

van Doorsselaere, T., Arregui, I., Andries, J., Goossens, M., & Poedts, S., *"Dynamics of Coronal Loop Oscillations Recent Improvements and Computational Aspects"*, `2005SSRv..121...79V` ADS

Goossens, M., Poedts, S., Voitenko, Y., & Chian, A. C. L., *"Foreword: Computing in Space and Astrophysical Plasmas"*, `2005SSRv..121....1G` ADS

van Doorsselaere, T., Arregui, I., Andries, J., Goossens, M., & Poedts, S., *"Dynamics of Coronal Loop Oscillations"*, `2005ESASP.596E..44V` ADS

de Groof, A., Müller, D. A. N., & Poedts, S., *"Downflows Along AN Off-Limb Loop Seen both in 30.4NM and Hα"*, `2005ESASP.596E..36D` ADS

de Groof, A., Bastiaensen, C., Müller, D. A. N., Berghmans, D., & Poedts, S., *"Detailed comparison of downflows seen both in EIT 30.4 nm and Big Bear Hα movies"*, `2005A&A...443..319D` ADS

Jacobs, C., Poedts, S., & van der Holst, B., *"CME Triggering by Magnetic Footpoint Shearing"*, `2005ESASP.592..641J` ADS

Dubey, G., Poedts, S., & van der Holst, B., *"Triggering CMEs by Magnetic Flux Emergence"*, `2005ESASP.592..637D` ADS

Poedts, S., Chané, E., van der Holst, B., et al., *"Quantitative Study of Initiation and Evolution of CMEs in Different Wind Models"*, `2005ESASP.592..301P` ADS

Goossens, M., Andries, J., Arregui, I., Doorsselaere, T. V., & Poedts, S., *"Solar coronal loop oscillations: theory of resonantly damped oscillations and comparison with observations"*, `2005AIPC..784..114G` ADS

Shergelashvili, B. M. & Poedts, S., *"On the effect of the inhomogeneous subsurface flows on the high degree solar p-modes"*, `2005A&A...438.1083S` ADS

Shergelashvili, B. M., Zaqarashvili, T. V., Poedts, S., & Roberts, B., ""Swing Absorption" of fast magnetosonic waves in inhomogeneous media", 2005A&A...433...15S ADS

Chané, E., Jacobs, C., van der Holst, B., Poedts, S., & Kimpe, D., "On the effect of the initial magnetic polarity and of the background wind on the evolution of CME shocks", 2005A&A...432..331C ADS

Jacobs, C., Poedts, S., Van der Holst, B., & Chané, E., "On the effect of the background wind on the evolution of interplanetary shock waves", 2005A&A...430.1099J ADS

Shergelashvili, B. M., Zaqarashvili, T. V., Poedts, S., & Roberts, B., ""Swing Absorption" of fast magnetosonic waves in inhomogeneous media", 2005A&A...429..767S ADS

van Doorsselaere, T., Debosscher, A., Andries, J., & Poedts, S., "The Effect of Curvature on Quasi-Modes in Coronal Loops", 2004ESASP.575..448V ADS

Shergelashvili, B. M., Rogava, A. D., & Poedts, S., "Is the Solar Corona Non-modally Self-Heated", 2004ESASP.575..437S ADS

Shergelashvili, B. M., Zaqarashvili, T. V., Poedts, S., & Roberts, B., "The Mechanism of Swing Absorption of Fast Magnetosonic Waves in Inhomogeneous Media", 2004ESASP.575..431S ADS

Banerjee, D., O'Shea, E., Doyle, J. G., & Poedts, S., "Detection of Long Periodwaves in the Polar Coronal Holes", 2004ESASP.575..136B ADS

Poedts, S. & de Groof, A., "Coronal MHD Waves and Theoretical Constraints of Wave Heating", 2004ESASP.575...62P ADS

Van Doorsselaere, T., Debosscher, A., Andries, J., & Poedts, S., "The effect of curvature on quasi-modes in coronal loops", 2004A&A...424.1065V ADS

Goedbloed, J. P. H. & Poedts, S.: 2004, Principles of Magnetohydrodynamics 2004prma.book.....G ADS

Van Doorsselaere, T., Andries, J., Poedts, S., & Goossens, M., "Damping of Coronal Loop Oscillations: Calculation of Resonantly Damped Kink Oscillations of One-dimensional Nonuniform Loops", 2004ApJ...606.1223V ADS

Van der Holst, B., Poedts, S., Jacobs, C., et al., "CMEs and CME Shock Evolution on Different Background Winds", 2004AAS...204.6709V ADS

Rogava, A. D., Poedts, S., & Osmanov, Z., "Transient shear instability of differentially rotating and self-gravitating dusty plasma", 2004PhPl...11.1655R ADS

Vranješ, J. & Poedts, S., "The effects of image charge on waves in dusty plasma", 2004AIPC..703...96V ADS

Vranješ, J. & Poedts, S., "Waves in bounded dusty plasma", 2004AIPC..703...92V ADS

De Groof, A., Berghmans, D., van Driel-Gesztelyi, L., & Poedts, S., "Intensity variations in EIT shutterless mode: Waves or flows?", 2004A&A...415.1141D ADS

van der Holst, B., Poedts, S., Jacobs, C., et al., "Modeling CMEs", 2004cosp...35.4394V ADS

van Doorsselaere, T., Debosscher, A., & Poedts, S., "Quasi-Modes on Curved Solar Coronal Loops", 2004ESASP.547..525V ADS

de Groof, A., Berghmans, D., van Driel-Gesztelyi, L., & Poedts, S., "Intensity Variations in EIT Shutterless Mode: Waves or Flows?", 2004ESASP.547..245D ADS

Shergelashvili, B. M. & Poedts, S., "On the Effect of Non-Uniform Subsurface Flows on High Degree p-Modes", 2004ESASP.547...87S ADS

Banerjee, D., O'Shea, E., de Groof, A., & Poedts, S., "Active Region Oscillations as Observed by CDS, EIT and TRACE", 2004ESASP.547...39B ADS

Poedts, S., van der Holst, B., Chattopadhyay, I., et al., "Simulation of shock waves in the interplanetary medium", 2003ESASP.535..603P ADS

Goedbloed, J. P., Keppens, R., & Poedts, S., "Computer simulations of solar plasmas", 2003SSRv..107...63G ADS

O'Shea, E., Banerjee, D., & Poedts, S., "Variation of coronal line widths on and off the disk", 2003A&A...400.10650 ADS

Banerjee, D., O'Shea, E., Goossens, M., Poedts, S., & Doyle, J. G., "On the nature of umbral oscillations: theory and observation by CDS/SoHO", 2002ESASP.506..427B ADS

van der Holst, B., Banerjee, D., Keppens, R., & Poedts, S., "Axisymmetric magnetized winds and stellar spin-down", 2002ESASP.506...75V ADS

van der Holst, B., van Driel-Gesztelyi, L., & Poedts, S., "CME shock warps coronal streamer - observation and MHD simulation", 2002ESASP.506...71V ADS

Banerjee, D., O'Shea, E., Goossens, M., Doyle, J. G., & Poedts, S., "On the theory of MAG waves and a comparison with sunspot observations from CDS/SoHO", 2002A&A...395..263B ADS

Banerjee, D., O'Shea, E., Doyle, J. G., Goossens, M., & Poedts, S., "Slow MAG waves in the sunspot umbra as observed by CDS/SOHO", 2002ESASP.505..187B ADS

Vranješ, J. & Poedts, S., "Three-Wave Interaction in a Self-Gravitating Fluid", 2002PhRvL..89m1102V ADS

Vranješ, J., Saleem, H., & Poedts, S., "Electron acoustic wave in a dusty plasma", 2002P&SS...50..807V ADS

Poedts, S. & Rogava, A. D., "Does spiral galaxy IC 342 exhibit shear induced wave transformations!?", 2002A&A...385...32P ADS

Poedts, S., van der Holst, B., de Sterck, H., et al., "Numerical modeling of CME initiation and propagation", 2002ESASP.477..263P ADS

van Driel-Gesztelyi, L., Schmieder, B., & Poedts, S., "Magnetic build-up and precursors of CMEs", 2002ESASP.477...47V ADS

van Driel-Gesztelyi, L., Démoulin, P., Mandrini, C. H., et al., "Helicity Loading and Dissipation: The Helicity Budget of AR 7978 from the Cradle to the Grave", 2002mwoc.conf..143V ADS

De Sterck, H. & Poedts, S., "Disintegration and reformation of intermediate-shock segments in three-dimensional MHD bow shock flows", 2001JGR...10630023D ADS

Bodo, G., Poedts, S., Rogava, A., & Rossi, P., "Spatial aspect of wave transformations in astrophysical flows", 2001A&A...374..337B ADS

Khujadze, G. R., Poedts, S., & Rogava, A. D., "Shear Induced Phenomena in Dusty Plasma Flows", 2001Ap&SS.277..135K ADS

De Keyser, J., Roth, M., De Sterck, H., & Poedts, S., "A Survey of Field-Aligned Mach Number and Plasma Beta in the Solar Wind", 2001SSRv...97..201D ADS

Robbrecht, E., Verwichte, E., Berghmans, D., et al., "Slow magnetoacoustic waves in coronal loops: EIT and TRACE", 2001A&A...370..591R ADS

van der Holst, B., Pandey, B. P., & Poedts, S., "The effect of shear flows on the Rayleigh-Taylor unstable magnetopause", 2001sps..proc..384V ADS

Poedts, S., de Sterck, H., van der Holst, B., et al., "3D MHD shocks caused by CMEs/magnetic clouds", 2001sps..proc..324P ADS

Robbrecht, E., Verwichte, E., Berghmans, D., Hochedez, J. F., & Poedts, S., "Slow magnetoacoustic waves in coronal loops: EIT vs TRACE", 2000AIPC..537..271R ADS

de Sterck, H. & Poedts, S., "Disintegration and reformation of intermediate shock segments in 3D MHD bow shock flows", 2000AIPC..537..232D ADS

Poedts, S. & Rogava, A. D., "Nonmodal phenomena in differentially rotating dusty plasmas", 2000AIPC..537...76P ADS

de Sterck, H. & Poedts, S., "Intermediate Shocks in Three-Dimensional Magnetohydrodynamic Bow-Shock Flows with Multiple Interacting Shock Fronts", 2000PhRvL..84.5524D ADS

Rogava, A. D., Poedts, S., & Mahajan, S. M., "Shear-driven wave oscillations in astrophysical flux tubes", 2000A&A...354..749R ADS

de Sterck, H. & Poedts, S., "Complex Interacting Shock Fronts Induced by Fast CMEs", 1999ESASP.448..935D ADS

Rogava, A. & Poedts, S., "What May Spring Up in Solar Tornadoes?", 1999ESASP.448..355R ADS

Poedts, S., "Waves in the Transition Region and Corona: a Theorist's View", 1999ESASP.448..167P ADS

De Sterck, H. & Poedts, S., "Stationary slow shocks in the magnetosheath for solar wind conditions with β<2/γ: Three-dimensional MHD simulations", 1999JGR...10422401D ADS

Robbrecht, E., Berghmans, D., Nakariakov, V., & Poedts, S., "Slow Magnetoacoustic Waves in Coronal Loops?", 1999ESASP.446..575R ADS

Rogava, A. D., Poedts, S., & Heirman, S., "Are galactic magnetohydrodynamic waves coupled?", 1999MNRAS.307L..31R ADS

de Sterck, H. & Poedts, S., "Field-aligned magnetohydrodynamic bow shock flows in the switch-on regime. Parameter study of the flow around a cylinder and results for the axi-symmetrical flow over a sphere", 1999A&A...343..641D ADS

Poedts, S., Rogava, A. D., & Mahajan, S. M., "Velocity Shear Induced Phenomena in Solar Atmosphere", 1999SSRv...87..295P ADS

Poedts, S., Keppens, R., & Beliën, A. J. C., "3D Nonlinear MHD Wave Heating of Coronal Loops^{CD}", 1999ASSL..240..319P ADS

de Sterck, H., Low, B. C., & Poedts, S., "Complex magnetohydrodynamic bow shock topology in field-aligned low-β flow around a perfectly conducting cylinder", 1998PhPl....5.4015D ADS

Poedts, S., Rogava, A. D., & Mahajan, S. M., "Shear-flow-induced Wave Couplings In The Solar Wind", 1998ApJ...505..369P ADS

Tirry, W. J. & Poedts, S., "Wave heating of coronal arcades driven by toroidally polarised footpoint motions. Stationary behaviour in dissipative MHD", 1998A&A...329..754T ADS

Beliën, A. J. C., Poedts, S., & Goedbloed, J. P., "Two-dimensional equilibrium in coronal magnetostatic flux tubes: an accurate equilibrium solver", 1997CoPhC.106...21B ADS

Belieen, A. J. C., Poedts, S., & Goedbloed, J. P., "Continuous magnetohydrodynamic spectra of two-dimensional coronal magnetostatic flux tubes.", 1997A&A...322..995B ADS

Poedts, S., Tóth, G., Beliën, A. J. C., & Goedbloed, J. P., "Nonlinear MHD Simulations of Wave Dissipation in Flux Tubes", 1997SoPh..172...45P ADS

9

Poedts, S. & Goedbloed, J. P., *"Nonlinear wave heating of solar coronal loops."*, `1997A&A...321..935P` ADS

Ruderman, M. S., Berghmans, D., Goossens, M., & Poedts, S., *"Direct excitation of resonant torsional Alfven waves by footpoint motions."*, `1997A&A...320..305R` ADS

Poedts, S., Tirry, W., Berghmans, D., & Goossens, M., *"MHD wave heating of coronal loops"*, `1997jena.confE..54P` ADS

Beliën, A. J. C., Poedts, S., & Goedbloed, J. P., *"Slow Magnetosonic Waves and Instabilities in Expanded Flux Tubes Anchored in Chromospheric/Photospheric Regions"*, `1997ESASP.404..193B` ADS

Belien, A. J. C., Poedts, S., Spoelder, H. J. W., Leenders, R., & Goedbloed, J. P., *"Visualization of resonant absorption in solar coronal loops by simulation of soft X-ray images."*, `1996ComPh..10..573B` ADS

Humphreys, R. M., Kemp, S., Savonije, G., et al., *"Book reviews"*, `1996SSRv...76..339H` ADS

Poedts, S. & Boynton, G. C., *"Nonlinear magnetohydrodynamics of footpoint-driven coronal loops."*, `1996A&A...306..610P` ADS

Poedts, S. & Goedbloed, J. P., *"2D and 3D Nonlinear MHD Simulations of Coronal Loop Heating by Alfven Waves"*, `1996mpsa.conf..425P` ADS

Belien, A. J. C., Poedts, S., & Goedbloed, J. P., *"Calculation of Soft X-ray Images from MHD Simulations of Heating of Coronal Loops"*, `1996mpsa.conf..423B` ADS

Beliën, A. J. C., Poedts, S., & Goedbloed, J. P., *"Magnetohydrodynamic Continua and Stratification Induced Alfvén Eigenmodes in Coronal Magnetic Loops"*, `1996PhRvL..76..567B` ADS

Poedts, S., Belien, A. J. C., & Goedbloed, J. P., *"On the Quality of Resonant Absorption as a Coronal Loop Heating Mechanism"*, `1994SoPh..151..271P` ADS

Poedts, S. & Goedbloed, J. P., *"3D nonlinear wave heating of coronal loops"*, `1994SSRv...68..103P` ADS

Poedts, S. & Goedbloed, J. P., *"Nonlinear wave heating of the solar corona"*, `1994smf..conf..396P` ADS

Erdelyi, R., Goossens, M., & Poedts, S., *"Linear Visco-Resistive Computations of Magnetohydrodynamics Waves I. The Code and Test Cases"*, `1994scs..conf..503E` ADS

Stenuit, H., Poedts, S., & Goossens, M., *"Total Resonant Absorption of Acoustic Oscillations in Sunspots"*, `1993SoPh..147...13S` ADS

Poedts, S. & Goedbloed, J. P., *"Coronal heating: the role of resonant absorption."*, `1992ESASP.348..253P` ADS

Poedts, S. & Kerner, W., *"Time scales and efficiency of resonant absorption in periodically driven resistive plasmas"*, `1992JPlPh..47..139P` ADS

Goossens, M. & Poedts, S., *"Linear Resistive Magnetohydrodynamic Computations of Resonant Absorption of Acoustic Oscillations in Sunspots"*, `1992ApJ...384..348G` ADS

Poedts, S. & Goossens, M., *"On Poloidal Mode Coupling in the Continuous Spectrum of 2d Equilibria"*, `1991SoPh..133..281P` ADS

Poedts, S. & Kerner, W., *"Ideal quasimodes reviewed in resistive magnetohydrodynamics"*, `1991PhRvL..66.2871P` ADS

van Eester, D., Goossens, M., & Poedts, S., *"Analytical study of plasma heating by resonant absorption of the modified external kink mode"*, `1991JPlPh..45....3V` ADS

Halberstadt, G., Goedbloed, J. P., Poedts, S. M., & van der Linden, R. A. M., *"Line-Tying Effects on Stability and Heating of Solar Coronal Loops (With 2 Figures)"*, `1991mcch.conf..489H` ADS

Poedts, S. M., *"On the Time Scales and the Efficiency of Solar Coronal Loop Heating by Resonant Absorption (With 1 Figure)"*, `1991mcch.conf..486P` ADS

Poedts, S., Goossens, M., & Kerner, W., *"On the Efficiency of Coronal Loop Heating by Resonant Absorption"*, `1990ApJ...360..279P` ADS

Denoyelle, J., Waelkens, C., Cuypers, J., et al., *"Main-Sequence Broadening in the Double Cluster H-Persei and Chi-Persei"*, `1990Ap&SS.169..109D` ADS

Poedts, S., Goossens, M., & Kerner, W., *"Temporal evolution of resonant absorption in solar coronal loops"*, `1990CoPhC..59...95P` ADS

Poedts, S., Goossens, M., & Kerner, W., *"Numerical simulation of the stationary state of periodically driven coronal loops"*, `1990CoPhC..59...75P` ADS

Waelkens, C., Lampens, P., Heynderickx, D., et al., *"Geneva photometry of stars in the double cluster H and KHI Persei."*, `1990A&AS...83...11W` ADS

Poedts, S., Gooseens, M., & Kerner, W., *"Coronal loop heating by resonant absorption"*, `1990GMS....58..257P` ADS

Poedts, S., Kerner, W., & Goossens, M., *"Alfvén-wave heating in resistive MHD"*, `1989JPlPh..42...27P` ADS

Poedts, S., Goossens, M., & Kerner, W., *"Numerical simulation of coronal heating by resonant absorption of Alfvén waves"*, `1989SoPh..123...83P` ADS

Poedts, S., Goossens, M., & Kerner, W., *"Coronal heating by resonant absorption in resistive MHD."*, `1989plap.work..107P` ADS

Goedbloed, J. P., Goossens, M., & Poedts, S., *"Kink modes in coronal loops."*, `1989plap.work..103G` ADS

Poedts, S. & Goossens, M., *"The continuous spectrum of MHD waves in 2-D solar loops and arcades - Parametric study of poloidal mode coupling for poloidal magnetic fields"*, `1988A&A...198..331P` ADS

Poedts, S. & Goossens, M., *"The Continuous Spectrum of Magnetohydrodynamic Waves in 2d Solar Loops and Arcades - First Results on Poloidal Mode Coupling for Poloidal Magnetic Fields"*, `1987SoPh..109..265P` ADS

Poedts, S. & Goossens, M., *"Poloidal mode coupling of Alfvén continuum modes in 2D coronal loops."*, `1987rfsm.conf..277P` ADS

Poedts, S. & Goossens, M., *"Poloidal Mode Coupling of Alfvén Continuum Modes in 2D Coronal Loops"*, `1987rfsm.conf..272P` ADS

Steinolfson, R. S., Priest, E. R., Poedts, S., Nocera, L., & Goossens, M., *"Viscous Normal Modes on Coronal Inhomogeneities and Their Role as a Heating Mechanism"*, `1986ApJ...304..526S` ADS

Goossens, M., Poedts, S., & Hermans, D., *"On the existence of the continuous spectrum of ideal MHD in a 2D magnetostatic equilibrium."*, `1985SoPh..102...51G` ADS

Poedts, S., Hermans, D., & Goossens, M., *"The continuous spectrum of an axisymmetric self-gravitating and static equilibrium with a mixed poloidal and toroidal magnetic field"*, `1985A&A...151...16P` ADS

Poedts, S., Goossens, M., & Hermans, D., *"The continuous spectrum of an axisymmetric equilibrium with a mixed poloidal and toroidal magnetic field and with gravity included."*, `1984ESASP.220..201P` ADS

Hermans, D., Goossens, M., & Poedts, S., *"The Continuous Spectrum of AN Axisymmetric, Self-Gravitating Equilibrium in the Presence of a Poloidal Magnetic Field"*, `1984ESASP.207..297H` ADS

Goossens, M., Hermans, D., & Poedts, S., *"Continuous Spectra of Oscillation Frequencies of an Axisymmetric Incompressible Equilibrium with a Poloidal Magnetic field"*, `1984LIACo..25..382G` ADS