

Publications 2009

Refereed papers

Andersson, L., R. E. Ergun, J. Tao, A. Roux, O. LeContel, V. Angelopoulos, J. Bonnell, J. P. McFadden, D. E. Larson, S. Eriksson, T. Johansson, **C. M. Cully**, D. L. Newman, M. V. Goldman, K.-H. Glassmeier and W. Baumjohann, New features of electron phase space holes observed by the THEMIS mission, *Phys. Rev. Lett.*, 102, 225004, doi:10.1103/PhysRevLett.102.225004, 2009

Bortnik, J., W. Li, R. M. Thorne, V. Angelopoulos, **C. Cully**, J. Bonnell, O. Le Contel and A. Roux, An observation linking the origin of plasmaspheric hiss to discrete chorus emissions, *Science*, 324, 775-778, doi:10.1126/science.1171273, 2009.

Chanteur, G., M., E. Dubinin, **R. Modolo** and M. Fraenz, Capture of solar wind alpha-particles by the Martian atmosphere, *Geophys. Res. Lett.*, 36, L23105, doi:10.1029/2009GL040235, 2009.

Chen, L.-J., N. Bessho, B. Lefebvre, H. Vaith, A. Asnes, O. Santolik, A. Fazakerley, P. Puhl-Quinn, A. Bhattacharjee, **Yu. Khotyaintsev**, P. Daly, and R. Torbert, Multispacecraft observations of the electron current sheet, neighboring magnetic islands, and electron acceleration during magnetotail reconnection, *Phys. Plasmas*, 16, 056501, doi:10.1063/1.3112744, 2009.

Cravens, T. E., I. P. Robertson, J. H. Waite, R. V. Yelle, V. Vuitton, A. J. Coates, **J.-E. Wahlund**, **K. Ågren**, M. S. Richard, V. de La Haye, A. Wellbrock and F. M. Neubauer, Model-data comparisions for Titan's nightside ionosphere, *Icarus*, 199, 174-188, doi:10.1016/j.icarus.2008.09.005, 2009.

Cui, J., M. Galand, R. V. Yelle, V. Vuitton, **J.-E. Wahlund**, P. P. Lavvas, I. C. F. Müller-Wodarg, T. E. Cravens, W. T. Kasprzak and J. H. Waite, Diurnal variations of Titan's ionosphere, *J. Geophys. Res.*, 114, A06310, doi:10.1029/2009JA014228, 2009.

Deng, X. H., M. Zhou, S. Y. Li, W. Baumjohann, **M. André**, N. Cornilleau, O. Santolik, D. I. Pontin, H. Reme, E. Lucek, A. N. Fazakerley, P. Decreau, P. Daly, P., R. Nakamura, R. X. Tang, Y. H. Hu, Y. Pang, J. Büchner, H. Zhao, **A. Vaivads**, J. S. Pickett, C. S. Ng, X. Lin, S. Fu, Z. G. Yuan, Z. W. Su, and J. F. Wang, Dynamics and waves near multiple magnetic null points in reconnection diffusion region. *J. Geophys. Res.*, 114, A07216, doi:10.1029/2008JA013197, 2009.

Edberg, N. J. T., A. I. Eriksson, U. Auster, S. Barabash, A. Bößwetter, C.M. Carr, S.W.H. Cowley, E. Cupido, M. Fränz, K.-H. Glassmeier, R. Goldstein, M. Lester, R. Lundin, R. Modolo, H. Nilsson, I. Richter, M. Samara and J.G. Trotignon, Simultaneous measurements of the Martian plasma environment by Rosetta and Mars Express, *Planet. Space Sci.*, 57, 1085-1096, doi:10.1016/j.pss.2008.10.016, 2009.

Edberg, N. J. T., U. Auster, S. Barabash, D. A. Brain, J. L. Burch, A. Bösswetter, C. M. Carr, S. W. H. Cowley, E. Cupido, F. Duru, **A. I. Eriksson**, M. Fränz, K.-H. Glassmeier, R. Goldstein, M. Lester, R. Lundin, R. Modolo, H. Nilsson, I. Richter, M. Samara, and J. G. Trotignon, Rosetta and Mars Express observations of the influence of high solar wind pressure on the Martian plasma environment, *Ann. Geophys.*, 27, 4533-4545, www.ann-geophys.net/27/4533/2009/, 2009.

Engwall, E., A. I. Eriksson, C. M. Cully, M. André, R. Torbert and H. Vaith, Earth's ionospheric outflow dominated by hidden cold plasma, *Nature Geoscience*, 2, 24-27, doi:10.1038/ngeo387, 2009.

Engwall, E., A. I. Eriksson, C. M. Cully, M. André, P. A. Puhl-Quinn, H. Vaith and R. Torbert, Survey of cold ionospheric outflows in the magnetotail, *Ann. Geophys.*, 27, 3185-3201, <http://www.ann-geophys.net/27/3185/2009/>, 2009

Ergun, R. E., L. Andersson, J. Tao, V. Angelopoulos, J. Bonnell, J. P. McFadden, D. E. Larson, S. Erikson, T. Johansson, **C. M. Cully**, D. N. Newman, M. V. Goldman, A. Roux, O. LeContel, K.H. Glassmeier and W. Baumjohann, Observations of double layers in Earth's plasma sheet, *Phys. Rev Lett.*, 155002, doi:10.1103/PhysRevLett.102.155002, 2009.

Eriksson, S., H. Hasegawa, W.-L. Teh, B. U. Ö. Sonnerup, J. P. McFadden, K.-H. Glassmeier, A. Roux, V. Angelopoulos, D. E. Larson, **C. M. Cully**, R. E. Ergun and C. W. Carlson, Magnetic island formation between large-scale flow vortices at an undulating post-noon magnetopause for northward IMF, *J. Geophys. Res.*, 114, A00C17, doi:10.1029/2008JA013505, 2009.

Farrell, W. M., W. S. Kurth, D. A. Gurnett, R. E. Johnson, M. L. Kaiser, **J.-E. Wahlund** and J. W. Waite, Electron density dropout near Enceladus in the context of water-vapor and water-ice, *Geophys. Res. Lett.*, 36, L10203, doi:10.1029/2008GL037108, 2009.

Garnier, P., J.-E. Wahlund, L. Rosenqvist, R. Modolo, K. Ågren, N. Sergis, P. Canu, **M. André**, D. A. Gurnett, W. Kurth, S. M. Krimigis, A. Coates, M. Dougherty and J. H. Waite, Titan's ionosphere in the magnetosheath: Cassini RPWS results during the T32 flyby, *Ann Geophys.*, 27, 4257-4272, www.ann-geophys.net/27/4257/2009/, 2009.

Hall, J.-O., G. Stenberg, A. I. Eriksson and M. André, Formation of lower-hybrid solitary structures by modulational interaction between lower-hybrid and dispersive Alfvén waves, *Ann. Geophys.*, 27, 1027-1033, www.ann-geophys.net/27/1027/2009/, 2009.

Hamrin, M., P. Norqvist, O. Marghitu, **A. Vaivads**, B. Klecker, L. M. Kistler, and I. Dandouras, Scale size and life time of energy conversion regions observed by Cluster in the plasma sheet, *Ann. Geophys.*, 27, 4147-4155, www.ann-geophys.net/27/4147/2009/, 2009.

Hamrin, M., P. Norqvist, O. Marghitu, **S. Buchert**, B. Klecker, L. M. Kistler and I. Dandouras, Occurrence and location of concentrated load and generator regions observed by Cluster in the plasma sheet, *Ann. Geophys.*, 27, 4131-4146, www.ann-geophys.net/27/4131/2009/, 2009.

Hasegawa, H., A. Retinò, **A. Vaivads**, **Y. Khotyaintsev**, **M. André**, T. K. M. Nakamura, W.-L Teh, B. U. Ö. Sonnerup, S. J. Schwartz, Y. Seki, M. Fujimoto, Y. Saito, H. Rème, and P. Canu, P, Kelvin-Helmholtz waves at the Earth's magnetopause: Multiscale development and associated reconnection, *J. Geophys. Res.*, 114, A12207, doi:10.1029/2009JA014042, 2009.

Hietala, H., **T. V. Laitinen**, K. Andréeová, R. Vaino, **A. Vaivads**, M. Palmroth, T. I. Pulkkinen, H. E. J. Koskinen, E. A. Lucek and H. Rème, Supermagnetosonic jets behind a collisionless quasiparallel shock, *Phys. Rev. Lett.*, 103, 245001, 2009.

Jacobsen, K. S., **J.-E. Wahlund** and A. Pedersen, Cassini Langmuir probe measurements in the inner magnetosphere of Saturn, *Planet. Space Sci.*, 57, 48-52, doi:10.1016/j.pss.2008.10.012, 2009.

Johansson, T., J. W. Bonnell, **C. Cully**, E. Donovan, J. Raeder, S. Erikson, L. Andersson, R. E. Ergun, V. Angelopoulos, J. McFadden, K.-H. Glassmeier and I. Mann, Observation of an inner magnetosphere electric field associated with a BBF-like flow and PBIs, *Ann. Geophys.*, 27, 1489-1500, www.ann-geophys.net/27/1489/2009/, 2009

Kiyani, K. H., S. C. Chapman, **Yu. V. Khotyaintsev**, M. W. Dunlop and F. Sahraoui, Global scale-invariant dissipation in collisionless plasma turbulence, *Phys. Rev. Lett.*, 103, 075006, 2009.

Kullen, A., S. Otani and T. Karlsson, Geomagnetic signatures of auroral substorms preceded by pseudobreakups, *J. Geophys. Res.*, A04201, doi:10.1029/2008JA013712, 2009

Lammer, H., J. H. Bredehöft, A. Coustenis, M. L. Khodachenko, L. Kaltenegger, O. Grasset, D. Prieur, F. Raulin, P. Ehrenfreund, M. Yamauchi, **J.-E. Wahlund**, J.-M. Grießmeier, G. Stangl, C. S. Cockell, Yu. N. Kulikov, J. L., Grenfell and H. Rauer, What makes a planet habitable?, *The Astronomy and Astrophysics Review*, 17, 181-249, 2009.

Langlais, B., F. Leblanc, T. Fouchet, S. Barabash, D. Breuer, E. Chassefière, A. Coates, V. Dehant, F. Forget, H. Iamer, S. Lewis, M. Lopez-Valverde, M. Mandea, M. Menvielle, A. Pais, M. Paetzold, P. Read, C. Sotin, P. Tarits, S. Vennerstrom, G. Branduardi-Raymont, G. Cremonese, J. G. M. Merayo, T. Ott, H. Rème, J. G. Trotignon and **J.-E. Wahlund**, Mars environment and magnetic orbiter model payload, *Exp. Astron.*, 23, 761-783, doi:10.1007/s10686-008-9101-1, 2009.

Li, W., R. M. Thorne, V. Angelopoulos, J. Bortnik, **C. M. Cully**, B. Ni, O. LeContel, A. Roux, U. Auster and W. Magnes, Global distribution of whistler-mode chorus waves observed by the THEMIS spacecraft, *Geophys. Res. Lett.*, 36, L09104, doi:10.1029/2009GL037595, 2009.

Lindstedt, T., Yu. V. Khotyaintsev, A. Vaivads, M. André, R. C. Fear, B. Lavraud, S. Haaland, and C. J. Owen. Separatrix regions of magnetic reconnection at the magnetopause, *Ann. Geophys.*, 27, 4039-4056, www.ann-geophys.net/27/4039/2009/, 2009.

Liu, W. L., X. Li, T. Sarris, **C. Cully**, R. Ergun, V. Angelopoulos, D. Larson, A. Keiling, K. H. Glassmeier and H. U. Auster, Observation and modeling of the injection observed by THEMIS and LANL satellites during the 23 March 2007 substorm event, *J. Geophys. Res.*, 114, A00C18, doi:10.1029/2008JA013498, 2009.

Ma, Y. J., C. T. Russell, A. F. Nagy, G. Toth, C. Bertucci, M. K. Dougherty, F. M. Neubauer, A. Wellbrock, A. J. Coates, P. Garnier, **J.-E. Wahlund**, T. E. Cravens and F. J. Crary, Time-dependent global MHD simulations of Cassini T32 flyby: From magnetosphere to magnetosheath, *J. Geophys. Res.*, 114, A03204, doi:10.1029/2008JA013676, 2009.

Morooka, M. W., R. Modolo, J.-E. Wahlund, M. André, A. I. Eriksson, A. M. Persoon, D. A. Gurnett, W. S. Kurth, A. J. Coates, G. R. Lewis, K. K. Khurana, M. Dougherty, The electron density of Saturn's magnetosphere, *Ann. Geophys.*, 27, 2971-2991, http://www.ann-geophys.net/27/2971/2009/, 2009.

Möstl, C., C. J. Farrugia, H. K. Biernat, S. A. Kiehas, R. Nakamura, V. V. Ivanova and **Y. Khotyaintsev**, The structure of an earthward propagating magnetic flux rope early in its evolution: comparison of methods, *Ann. Geophys.*, 27, 2215-2224, www.ann-geophys.net/27/2215/2009/, 2009.

Nakamura, R., A. Retinò, W. Baumjohann, M. Volwerk, N. Erkaev, B. Klecker, E. A. Lucek, I. Dandouras, **M. André and Y. Khotyaintsev**, Y. Evolution of dipolarization in the near-Earth current sheet induced by Earthward rapid flux transport, *Ann. Geophys.*, 27, 1743-1754, www.ann-geophys.net/27/4075/2009/, 2009.

Ogawa, Y., **S. C. Buchert**, R. Fujii, S. Nozawa, A. P. van Eyken, Characteristics of ion upflow and downflow observed with the European Incoherent Scatter Svalbard radar, *J. Geophys. Res.*, 114, A05305, doi:10.1029/2008JA013817, 2009.

Ogawa, Y., I. Häggström, **S. C. Buchert**, K. Oksavik, S. Nozawa, M. Hirahara, A. P. van Eyken, T. Aso and R. Fujii, On the source of the polar wind in the polar topside ionosphere,: First results from the EISCAT Svalbard radar, *Geophys. Res. Lett.*, 36, L24103, doi:10.1029/2009GL041501, 2009.

Perri, S., E. Yordanova, V. Carbone, P. Veltri, L. Sorriso-Valvo, R. Bruno and **M. André**, Magnetic turbulence in space plasmas: Scale-dependent effects of anisotropy, *J. Geophys. Res.*, 114, A02102, doi:10.1029/2008JA013491, 2009.

Persoon, A. M., D. A. Gurnett, O. Santolik, W. S. Kurth, J. B. Faden, J. B. Groene, G. R. Lewis, A. J. Coates, R. J. Wilson, R. L. Tokar, **J.-E. Wahlund** and M. Moncuquet, A diffusive equilibrium model for the plasma density in Saturn's magnetosphere, *J. Geophys. Res.*, 114, A04211, doi:10.1029/2008JA013912, 2009.

Robertson, I. P., T. E. Cravens, J. H. Waite, R. V. Yelle, V. Vuitton, A. J. Coates, **J.-E. Wahlund**, **K. Ågren**, K. Mandt, B. Magee, M. S. Richard and E. Fattig, Structure of Titan's ionosphere: Model comparisons with Cassini data, *Planet. Space Sci.*, 57, 1834-1846, doi:10.1016/j.pss.2009.07.011, 2009.

Rosenqvist, L., J.-E. Wahlund, K. Ågren, R. Modolo, **H. J. Opgenoorth**, D. Strobel, I. Müller-Wodarg, P. Garnier and C. Bertucci, Titan ionospheric conductivities from Cassini measurements, *Planet. Space Sci.*, 57, 1828-1833, doi:10.1016/j.pss.2009.01.007, 2009.

Sahraoui, F., M. L. Goldstein, P. Robert, **Yu. V. Khotyaintsev**, Evidence of a cascade and dissipation of solar-wind turbulence at the electron gyroscale, *Phys. Rev. Lett.*, 102, 231102, 10.1103/PhysRevLett.102.231102, 2009.

Schwartz, S. J. T. Horbury, C. Owen, W. Baumjohann, R. Nakamura, P. Canu, A. Roux, F. Sahraoui, P. Louarn, J.-A. Sauvaud, J._L. Pincon, **A. Vaivads**, M. F. Marcucci, A. Anastasiadis, M. Fujimoto, P. Escoubet, M. Taylor, S. Eckersley, E. Allouis, and M.-C. Perkinson, Cross-scale: multi-scale coupling in space plasmas, *Exp. Astr.*, 23, 1001-1015, 2009.

Spanswick, E., E. Donovan, W. Liu, J. Liang, J. B. Blake, G. Reeves, R. Friedel, B. Jackel, **C. Cully** and A. Weatherwax, Global observations of substorm injection region evaluation; 27 August 2001, *Ann. Geophys.*, 27, 2019-2025, www.ann-geophys.net/27/2191/2009/, 2009.

Trines, R. M. G. M., R. Bingham, L. O. Silva, J. T. Mendonça, P. K. Shukla, C. D. Murphy, M. W. Dunlop, J. A. Davies, R. Bamford, **A. Vaivads**, A. and P. A. Norreys, Applications of the wave kinetic approach: From laser wakefields to drift wave turbulence, *Phys. Plasmas*, 16, 055904-055912, doi:10.1063/1.3125929, 2009.

Vaivads, A., Retinò, A. and **M. André**, Magnetic reconnection in space plasma. *Plasma Phys. Control. Fusion*, 51, 124016, doi:10.1088/0741-3335/51/12/124016, 2009.

Vuitton, V., P. Lavvas, R. V. Yelle, M. Galand, A. Wellbrock, G. R. Lewis, A. J. Coates and **J.-E. Wahlund**, Negative ion chemistry in Titan's upper atmosphere, *Planet. Space Sci.*, 57, 1558-1572, doi:10.1016/j.pss.2009.04.004, 2009.

Wahlund, J.-E., M. Galand, I. Muller-Wodarg, J. Cui, R.V. Yelle, F. J. Crary, K. Mandt, B. Magee, J. H. Waite Jr., D. T. Young, A. J. Coates, P. Garnier, **K. Ågren, M. André, A. I. Eriksson**, T. E. Cravens, V. Vuitton, D. A. Gurnett and W. S. Kurth, On the amount of heavy molecular ions in Titan's ionosphere, *Planet. Space Sci.*, 57, 1857-1865, doi:10.1016/j.pss.2009.07.014, 2009.

Wahlund, J.-E., M. André, A. I. Eriksson, M. Lundberg, M. W. Morooka, M. Shafiq, T. F. Averkamp, D. A. Gurnett, G. B. Hospodarsky, W. S. Kurth, K. S. Jacobsen, A. Pedersen, W. Farrell, S. Ratynskaia and N. Piskunov, Detection of dusty plasma near the E-ring of Saturn, *Planet. Space Sci.*, 57, 1795-1806, doi:10.1016/j.pss.2009.03.011, 2009

Yamauchi, M., I. Dandouras, P. W. Daly, **G. Stenberg**, H. Frey, P.-A. Lindqvist, Y. Ebihara, H. Nilsson, R. Lundin, H. Rème, **M. André**, E. A. Kronberg, A. Balogh and M. Henderson, Magnetospheric solitary structure maintained by 3000 km/s ions as a cause of westward moving auroral bulge at 19 MLT, *Ann. Geophys.*, 27, 2947-2969, www.ann-geophys.net/27/2947/2009/, 2009.

Yaroshenko, V. V., S. Ratynskaia, J. Olson, N. Brenning, **J.-E. Wahlund, M. Morooka, W. S. Kurth, D. A. Gurnett and G. E. Morfill**, Characteristics of charged dust inferred from the Cassini RPWS measurements in the vicinity of Enceladus, *Planet. Space Sci.*, 57, 1807-1812, doi:10.1016/j.pss.2009.03.002, 2009.

Yordanova, E., A. Balogh, A. Noullez and R. von Steiger, Turbulence and intermittency in the heliospheric magnetic field in fast and slow solar wind, *J. Geophys. Res.*, 114, A08101, doi:10.1029/2009JA014067, 2009.

Zhou, M., X. H. Deng, S. Fu, R. X. Tang, Y. H. Hu, S. Y. Li, **A. Vaivads, M. André, X. Lin, M. H. Lin, M. and X. M. Zhou**, Observation of the lower hybrid waves near the three-dimensional null pair. *Sci. China Ser. G: Phys. Mech. Astron.*, 52, 626-630, doi:10.1007/s11433-009-0088-z, 2009.

Zhou, M., X. H. Deng, S. Y. Li, Y. Pang, **A. Vaivads**, H. Rème, E. Lucek, S. Fu, X. Lin, Z. G. Yuan, and J. F. Wang, Observations of waves near lower hybrid frequency in the reconnection region with thin current sheet, *J. Geophys. Res.*, 114, A02216, doi:10.1029/2008JA013427, 2009.

Ågren, K., J.-E. Wahlund, P. Garnier, R. Modolo, J. Cui, M. Galand, I. Müller-Wodarg, On the ionospheric structure of Titan, *Planet. Space Sci.*, 57, 1821-1827, doi:10.1016/j.pss.2009.04.012, 2009

Coustenis, A., S. K. Atreya, T. Balint, R. H. Brown, M. K. Dougherty, F. Ferri, M. Fulchignoni, D. Gautier, R. A. Gowen, C. A. Griffith, L. I. Gurvits, R. Jaumann, Y. Langevin, M. R. Leese, J. I. Lunnie, C. P. McKay, X. Moussas, I. Müller-Wodarg, F. Neubauer, T. C. Owen, F. Raulin, E. C. Sittler, F. Sohl, C. Sotin, G. Tobie, T. Tokano, E. P. Turtle, **J-E. Wahlund**, J. H. Waite, K. H. Baines, J. Blamont, A. J. Coates, I. Dandouras, T. Krimigis, E. Lellouch, R. D. Lorenz, A. Morse, C. C. Porco, M. Hirtzig, J. Saur, T. Spilker, J. C. Zarnecki, E. Choi, N. Achilleos, R. Amils, P. Annan, D. H. Atkinson, Y. Bénilan, C. Bertucci, B. Bézard, G. L. Björaker, M. Blanc, L. Boireau, J. Bouman, M. Cabane, M. T. Capria, E. Chassefière, P. Coll, M. Combes, J. F. Cooper, A. Coradini, F. Crary, T. Cravens, I. A. Daglis, E. de Angelis, C. de Bergh, I. De Pater, C. Dunford, G. Durry, O. Dutuit, D. Fairbrother, F. M. Flasar, A. D. Fortes, R. Frampton, M. Fujimoto, M. Galand, O. Grasset, M. Grott, T. Haltigin, A. Herique, F. Hersant, H. Hussman, W. Ip, R. Johnson, E. Kallio, S. Kempf, M. Knapmeyer, W. Kofman, R. Koop, T. Kostiuk, N. Krupp, M. Küppers, H. Lammer, L.-M. Lara, P. Lavvas, S. Le Mouélic, S. Lebennois, S. Ledvina, J. Li, T. Livengood, R. M. Lopes, J.-J. Lopez-Moreno, D. Luz, P. R. Mahaffy, U. Mall, Martinez-Frias, J.; Marty, B.; McCord, T.; Menor Salvan, C.; Milillo, A.; Mitchell, D. G.; R. Modolo, O. Mousis, M. Nakamura, C. D. Neish, C. A. Nixon, D. Nna Mvondo, G. Orton, M. Paetzold, J. Pitman, S. Pogrebenko, W. Pollard, O. Prieto-Ballestros, P. Rannou, K. Reh, L. Richter, F. T. Robb, R. Rodrigo, S. Rodriguez, P. Romani, M. Ruiz Bermejo, E. T. Sarris, P. Schenk, B. Schmitt, N. Schmitz, D. Schulze-Makuch, K. Schwingenschuh, A. Selig, B. Sicardy, L. Soderblom, L. J. Spiker, D. Stam, A. Steele, K. Stephan, D. F. Strobel, K. Szego, C. Szopa, R. Thissen, M. G. Tomasko, D. Toublanc, H. Vali, I. Vardavas, V. Vuitton, R. A. West, R. Yelle and E. F. Young, TandEM: Titan and Enceladus mission, *Exp. Astron.*, 23, 893-946, doi:10.1007/s10686-008-9103-z, 2009.

Other publications 2009

Baumjohann, W., T. Horbury, S. Schwarts, P. Canu, P. Louarn, M. Fujimoto, R. Nakamura, C. Owen, A. Roux and **A. Vaivads**, The Cross-Scale mission, *AIP Conf. Proc.*, 1144, 25-28. 2009.

Carr, C., E. Cupido, C. G. Y. Lee, A. Balogh, T. Beek, J. L. Burch, C. N. Dunford, **A. I. Eriksson, R. Gill**, K. H. Glassmeier, R. Goldstein, D. Lagoutte, R. Lundin, K. Lundin, B. Lybekk, J. L. Michau, G. Musmann, H. Nilsson, C. Pollock, I. Richter and J. G. Trotignon. RPC: The Rosetta Plasma Consortium, in *Rosetta: ESA's Mission to the Origin of the Solar System*, eds. R. Schulz, C. Alexander, H. Boenhardt and K.-H. Glassmeier, ISBN: 978-0-387-77517-3, 2009.

Eriksson, A. I., R. Gill, J.-E. Wahlund, M. André, A. Mälkki, B. Lybekk, A. Pedersen, J. A. Holtet, L. G. Blomberg and N. J. T. Edberg. RPC-LAP: The Langmuir probe instrument of the Rosetta plasma consortium, in *Rosetta: ESA's Mission to the Origin of the Solar System*, eds. R. Schulz, C. Alexander, H. Boenhardt and K.-H. Glassmeier, ISBN: 978-0-387-77517-3, 2009.

Theses

Engwall, Erik, Low-energy ion escape from the terrestrial polar regions, *Acta Universitatis Upsaliensis*, PhD-thesis Uppsala university, ISBN 978-91-554-7512-3, urn:nbn:se:uu:diva-100650, 2009

Lindstedt, Tomas, Magnetic reconnection and separatrix regions, Licentiate thesis, Department of physics and astronomy, Uppsala university, 2009.

Undergraduate diploma theses

Hultgren, K., Rosetta LAP operations at the target comet, Master thesis, Department of Space Science, Kiruna, Luleå University of Technology, 2009.

Nilsson, T., Modelling of Cassini Langmuir probe measurements, Master thesis, School of Engineering and Department of Physics and Astronomy, Uppsala University, UPTEC F09 064, 2009.

Sjögren, A., Modelling of Rosetta Langmuir probe measurements, Master thesis, School of Engineering and Department of Physics and Astronomy, Uppsala University, UPTEC F09 063, 2009.