

## Non-refereed publications in 2014

- [1] N. Bardin, G. Slodzian, T.-D. Wu, D. Baklouti, E. Dartois, C. Engrand, R. Brunetto, J.-L. Guerquin-Kern, and J. Duprat. D/H Measurements in Ultracarbonaceous Antarctic Micrometeorites Using Polyatomic Ions with SIMS. In *Lunar and Planetary Science Conference*, volume 45 of *Lunar and Planetary Inst. Technical Report*, page 2647, March 2014.
- [2] C. Briois, D. Baklouti, A. Bardyn, H. Cottin, C. Engrand, H. Fischer, N. Fray, M. Godard, M. Hilchenbach, H. von Hoerner, H. Höfner, K. Hornung, J. Kissel, Y. Langevin, L. Le Roy, H. Lehto, K. Lehto, F. R. Orthous-Daunay, C. Revillet, J. Rynö, R. Schulz, J. V. Silen, S. Siljeström, and L. Thirkell. Measuring Organic Matter with COSIMA on Board Rosetta. *AGU Fall Meeting Abstracts*, December 2014.
- [3] R. Brunetto, L. Bonal, P. Beck, E. Dartois, Z. Dionnet, Z. Djouadi, E. Füri, Y. Kakazu, P. Oudayer, E. Quirico, and C. Engrand. Visible-IR and Raman micro-spectroscopic investigation of three Itokawa particles collected by Hayabusa. In K. Muinonen, A. Penttilä, M. Granvik, A. Virkki, G. Fedorets, O. Wilkman, and T. Kohout, editors, *Asteroids, Comets, Meteors 2014*, July 2014.
- [4] E. Chassefiere, E. Dartois, J.-M. Herri, F. Tian, F. Schmidt, O. Mousis, and A. Lakhlifi. Trapping of Volcanic Sulfur in Clathrate Hydrates on Early Mars. In *Workshop on Volatiles in the Martian Interior*, volume 1819 of *LPI Contributions*, page 1002, November 2014.
- [5] G. Danger, F. Duvernay, F. Borget, P. Theule, T. Chiavassa, L. le Sergeant d’Hendecourt, and P. Robert. What do we need for prebiotic chemistry? *European Planetary Science Congress*, 9:EPSC2014–87, April 2014.
- [6] P. de Marcellus, P. Modica, C. Meinert, L. Nahon, U. J. Meierhenrich, and L. Le Sergeant d’Hendecourt. VUV irradiation of interstellar ice analogues: an abiotic source for organic matter in planetary systems. *European Planetary Science Congress 2014, EPSC Abstracts, Vol. 9, id. EPSC2014-72*, 9:EPSC2014–72, April 2014.
- [7] Z. Djouadi, S. Merouane, and L. Le Sergeant d’Hendecourt. Formation of Aliphatics on Silicate Films: Cosmic Grains Experimental Simulation. In *77th Annual Meeting of the Meteoritical Society*, volume 1800 of *LPI Contributions*, page 5153, September 2014.
- [8] J. Duprat, N. Bardin, C. Engrand, D. Baklouti, R. Brunetto, E. Dartois, L. Delauche, M. Godard, J.-L. Guerquin-Kern, G. Slodzian, and T.-D. Wu. Isotopic Analysis of Organic Matter in Ultra-Carbonaceous Antarctic Micrometeorites. In *77th Annual Meeting of the Meteoritical Society*, volume 1800 of *LPI Contributions*, page 5341, September 2014.
- [9] C. Engrand, D. Baklouti, C. Briois, H. Cottin, H. Fischer, N. Fray, M. Godard, H. Henkel, M. Hilchenbach, K. Hornung, J. Kissel, A. Koch, Y. Langevin, H. Lehto, S. Merouane, F. R. Orthous-Daunay, J. Rynö, R. Schulz, J. V. Silen, S. Siljeström, T. Stephan, L. Thirkell, and K. Var-muza. On the Inorganic Composition of Cometary Dust from Comet

67P/Churyumov-Gerasimenko, as Seen by COSIMA on Board ROSETTA. *AGU Fall Meeting Abstracts*, December 2014.

- [10] Y. Langevin, K. Hornung, M. Hilchenbach, J. Kissel, J. V. Silen, C. Briois, R. Schulz, D. Baklouti, and P. Eng. Optical Detection and Characterization of Cometary Grains Collected for Analysis by the COSIMA Mass Spectrometer on-board ROSETTA. *AGU Fall Meeting Abstracts*, December 2014.
- [11] C. Lantz and R. Brunetto. Ion irradiation of carbonaceous chondrites for a Vis-IR space-weathering study on primitive objects: CV Allende and CM Murchison. In K. Muinonen, A. Penttilä, M. Granvik, A. Virkki, G. Fedorets, O. Wilkman, and T. Kohout, editors, *Asteroids, Comets, Meteors 2014*, July 2014.
- [12] L. Le Sergeant d’Hendecourt. From Astrochemistry to Astrobiology: a methodological approach. *European Planetary Science Congress*, 9:EPSC2014–71, April 2014.
- [13] M. Melita, Z. Kanuchova, R. Brunetto, and G. Strazzulla. Space weathering and the color-color diagram of Plutinos and Jupiter Trojans. *European Planetary Science Congress 2014, EPSC Abstracts, Vol. 9, id. EPSC2014-120*, 9:EPSC2014–120, April 2014.
- [14] E. Quirico, J.-Y. Bonnet, A. Buch, R. Thissen, C. Szopa, N. Carrasco, G. Cernogora, N. Fray, H. Cottin, L. Le Roy, G. Montagnac, E. Dartois, R. Brunetto, C. Engrand, and J. Duprat. New Analogs of Cometary Nitrogen-Rich Refractory Organics and Comparison with UltraCarbonaceous MicroMeteorites. In *77th Annual Meeting of the Meteoritical Society*, volume 1800 of *LPI Contributions*, page 5122, September 2014.
- [15] E. Quirico, F. Orthous-Daunay, P. Beck, L. Bonal, R. Brunetto, E. Dartois, T. Pino, G. Montagnac, J. Rouzaud, C. Engrand, and J. Duprat. Formation of insoluble organic matter in type-1 and -2 chondrites: Radiolytic or thermal processes? In K. Muinonen, A. Penttilä, M. Granvik, A. Virkki, G. Fedorets, O. Wilkman, and T. Kohout, editors, *Asteroids, Comets, Meteors 2014*, July 2014.
- [16] A. Rotundi, F. J. M. Rietmeijer, M. Ferrari, V. Della Corte, G. A. Baratta, R. Brunetto, E. Dartois, Z. Djouadi, S. Merouane, J. Borg, J. R. Brucato, L. Le Sergeant d’Hendecourt, V. Mennella, M. E. Palumbo, and P. Palumbo. Wild 2 grains characterized combining MIR/FIR/Raman micro-spectroscopy and FE-SEM/EDS analyses. In *EGU General Assembly Conference Abstracts*, volume 16 of *EGU General Assembly Conference Abstracts*, page 11999, May 2014.