

Refereed Articles: 201 / 29,098 citations – h-factor=55 (source ADS, August 2024)
Invited Talks in International Conferences: 30
Refereed Proceedings: 17
Refereed Book Chapter: 3
Non-Refereed Proceedings and Talks: 202
Invited Seminars: 31

Articles in peer reviewed journals

- [1] Zhou, W.-H., Michel, P., **Delbo, M.**, Wang, W., Wang, B. Y., Durech, J., Hanuš. 2024., Confined tumbling state as the origin of the excess of slowly rotating asteroids. *Nature Astronomy*. Accepted.
- [2] Athanasopoulos, D., Hanuš, Avdellidou, C., van Belle, G., Ferrero, A., Bonamico, R., Gazeas, K., **Delbo, M.**, Rivet, J.P., Apostolovska, G., Todorovic, N., Novakovic, B., Bebekovska, E.V., Romanyuk, Y., Bolin, B.T., Zhou, W., Agrusa, H., 2024. Spin states of X-complex asteroids in the inner Main Belt. *Astronomy and Astrophysics*. Accepted (29/08/2024).
- [3] Fornasier, S., Dotto, E., Panuzzo, P., **Delbo, M.** and 7 colleagues 2024. Size, albedo, and rotational period of the Hayabusa2# target (98943) 2001 CC21. *Astronomy and Astrophysics* 688. doi:10.1051/0004-6361/202450447
- [4] Nesvorný, D. and 11 colleagues including **Delbo, M.** 2024. NEOMOD 3: The debiased size distribution of Near Earth Objects. *Icarus* 417. doi:10.1016/j.icarus.2024.116110
- [5] Zhou, W.-H. and 6 colleagues including **Delbo, M.** 2024. The Yarkovsky Effect on the Long-term Evolution of Binary Asteroids. *The Astrophysical Journal* 968. doi:10.3847/2041-8213/ad4f7f
- [6] Gaia Collaboration and 415 colleagues including **Delbo, M.** 2024. Discovery of a dormant 33 solar-mass black hole in pre-release Gaia astrometry. *Astronomy and Astrophysics* 686. doi:10.1051/0004-6361/202449763
- [7] Gaia Collaboration and 400 colleagues including **Delbo, M.** 2024. Gaia Focused Product Release: A catalogue of sources around quasars to search for strongly lensed quasars. *Astronomy and Astrophysics* 685. doi:10.1051/0004-6361/202347273
- [8] Walsh, K. J., and 14 colleagues including **Delbo, M.** 2024. Bennu and Ryugu likely 2nd or later generation rubble piles. *Nature Communication*. Accepted for publication.
- [9] Avdellidou, C., **Delbo, M.**, Nesvorný, D., Walsh, K. J., Morbidelli, A. 2024. Dating the Solar System's giant planet orbital instability using enstatite meteorites. *Science*. In press (release date April 16th, 2024).
- [10] Ryan, A. J. and 19 colleagues including **Delbo, M.** 2024. Rocks with Extremely Low Thermal Inertia at the OSIRIS-REx Sample Site on Asteroid Bennu. *The Planetary Science Journal* 5. doi:10.3847/PSJ/ad2dff
- [11] Sheward, D. and 9 colleagues 2024. Extending lunar impact flash observations into the day-time with short-wave infrared. *Monthly Notices of the Royal Astronomical Society* 529, 3828–3837. doi:10.1093/mnras/stad2707
- [12] Schirner, L., Otto, K. A., **Delbo, M.**, Matz, K.-D., Sasaki, S., Sugita, S. 2024. Aligned fractures on asteroid Ryugu as an indicator of thermal fracturing. *Astronomy and Astrophysics* 684. doi:10.1051/0004-6361/202348404
- [13] Galinier, M., **Delbo, M.**, Avdellidou, C., Galluccio, L. 2024. Discovery of the first olivine-dominated A-type asteroid family. *Astronomy and Astrophysics* 683. doi:10.1051/0004-6361/202349057
- [14] Bourdelle de Micas, J. and 6 colleagues including **Delbo, M.** 2024. Compositional characterization of a primordial S-type asteroid family of the inner main belt. *Astronomy and Astrophysics* 682. doi:10.1051/0004-6361/202347391

- [15] Bolin, B. T. and 14 colleagues 2024 including **Delbo, M.** Palomar discovery and initial characterization of naked-eye long-period comet C/2022 E3 (ZTF). *Monthly Notices of the Royal Astronomical Society* 527, L42–L46. doi:10.1093/mnrasl/sl4d139
- [16] Gaia Collaboration and 404 colleagues including **Delbo, M.** 2023. Gaia Focused Product Release: Spatial distribution of two diffuse interstellar bands. *Astronomy and Astrophysics* 680. doi:10.1051/0004-6361/202347103
- [17] Gaia Collaboration and 405 colleagues including **Delbo, M.** 2023. Gaia Focused Product Release: Asteroid orbital solution. Properties and assessment. *Astronomy and Astrophysics* 680. doi:10.1051/0004-6361/202347270
- [18] Gaia Collaboration and 405 colleagues including **Delbo, M.** 2023. Gaia Focused Product Release: Radial velocity time series of long-period variables. *Astronomy and Astrophysics* 680. doi:10.1051/0004-6361/202347287
- [19] Gaia Collaboration and 402 colleagues including **Delbo, M.** 2023. Gaia Focused Product Release: Sources from Service Interface Function image analysis. Half a million new sources in omega Centauri. *Astronomy and Astrophysics* 680. doi:10.1051/0004-6361/202347203
- [20] **Delbo, M.** Avdellidou, C. Walsh, K. J. 2023. Gaia view of primitive inner-belt asteroid families: Searching for the origins of asteroids Bennu and Ryugu. *Astronomy & Astrophysics*. DOI: 10.48550/arXiv.2308.13828
- [21] Ferrone, S. **Delbo, M.** and 5 colleagues. 2023. Identification of a 4.3 billion year old asteroid family and planetesimal population in the Inner Main Belt. *Astronomy & Astrophysics*. DOI: 10.1051/0004-6361/202245594
- [22] Clark, B. E. and 55 colleagues including **Delbo, M.** 2023. Overview of the search for signs of space weathering on the low-albedo asteroid (101955) Bennu. *Icarus* 400, 115563.
- [23] Gaia Collaboration and 455 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Summary of the content and survey properties. *Astronomy & Astrophysics* 674, A1.
- [24] Gaia Collaboration and 444 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: The Galaxy in your preferred colours: Synthetic photometry from Gaia low-resolution spectra. *Astronomy & Astrophysics* 674, A33.
- [25] Gaia Collaboration and 449 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Stellar multiplicity, a teaser for the hidden treasure. *Astronomy & Astrophysics* 674, A34.
- [26] Gaia Collaboration, Galluccio L., **Delbo M.**, and 444 colleagues. 2023. Gaia Data Release 3: Reflectance spectra of Solar System small bodies. *Astronomy & Astrophysics* 674, A35.
- [27] Gaia Collaboration, and 447 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Pulsations in main sequence OBAF-type stars. *Astronomy & Astrophysics* 674, A36.
- [28] Gaia Collaboration and 450 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Mapping the asymmetric disc of the Milky Way. *Astronomy & Astrophysics* 674, A37.
- [29] Gaia Collaboration and 449 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Chemical cartography of the Milky Way. *Astronomy & Astrophysics* 674, A38.
- [30] Gaia Collaboration and 447 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: A Golden Sample of Astrophysical Parameters. *Astronomy & Astrophysics* 674, A39.
- [31] Gaia Collaboration and 446 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: Exploring and mapping the diffuse interstellar band at 862 nm. *Astronomy & Astrophysics* 674, A40.
- [32] Gaia Collaboration and 446 colleagues including **Delbo, M.** 2023. Gaia Data Release 3: The extragalactic content. *Astronomy & Astrophysics* 674, A41.

- [33] Tanga P., Pauwels T., Mignard F., Muinonen K., Cellino A., David P., Hestroffer D., Spoto F., Berthier J., Guiraud J., Roux W., Carry B., **Delbo M.**, Dell Oro A., Fouron C., Galluccio L., Jonckheere A., Klioner S. A., Lefustec Y., Liberato L., Ordénovic C., Oreshina-Slezak I., Penttilä A., Pailler F., Panem C., Petit J.-M., Portell J., Poujoulet E., Thuillot W., Van Hemelryck E., Burlacu A., Lasne Y., Managa S. 2023. Data Release 3: the Solar System survey. *Astronomy & Astrophysics* 674, A12.
- [34] Bolin B. T., Fremling C., Morbidelli A., Noll K. S., van Roestel J., Deibert E. K., **Delbo M.**, Gimeno G., Heo J.-E., Lisse C. M., Secull T., Suh H. 2023. Keck, Gemini, and Palomar 200-inch visible photometry of red and very-red Neptunian Trojans. *Monthly Notices of the Royal Astronomical Society* 521, L29–L33.
- [35] Tinaut-Ruano F., Tatsumi E., Tanga P., de León J., **Delbo M.**, De Angeli F., Morate D., Licandro J., Galluccio L. 2023. Asteroids reflectance from Gaia DR3: Artificial reddening at near-UV wavelengths. *Astronomy and Astrophysics* 669, L14.
- [36] Galinier M., **Delbo M.**, Avdellidou C., Galluccio L., and Marrocchi Y. 2023. Gaia search for early-formed andesitic asteroidal crusts. *Astronomy & Astrophysics* 671, A40.
- [37] Hasegawa S., DeMeo F. E., Marsset M., Hanuš J., Avdellidou C., **Delbo M.**, Bus S. J., Hanayama H., Horiuchi T., Takir D., Jehin E., Ferrais M., Geem J., Im M., Seo J., Bach Y. P., Jin S., Ishiguro M., Kuroda D., Binzel R. P., Nakamura A. M., Yang B., Vernazza P. 2022. Spectral Evolution of Dark Asteroid Surfaces Induced by Space Weathering over a Decade. *The Astrophysical Journal* 939, L9.
- [38] Gaia Collaboration, and 450 colleagues including **Delbo, M.** 2022. Gaia Early Data Release 3. The celestial reference frame (Gaia-CRF3). *Astronomy & Astrophysics* 667, A148.
- [39] Athanasopoulos D., Hanuš J., Avdellidou C., Bonamico R., **Delbo M.**, Conjat M., Ferrero A., Gazeas K., Rivet J. P., Sioulas N., van Belle G., Antonini P., Audejean M., Behrend R., Bernasconi L., Brinsfield J. W., Brouillard S., Brunetto L., Fauvaud M., Fauvaud S., Gonzalez R., Higgins D., Holoiën T. W.-S., Kober G., Koff R. A., Kryszczynska A., Livet F., Marciniak A., Oey J., Pejcha O., Rives J. J., Roy R. 2022. Asteroid spin-states of a 4 Gyr collisional family. *Astronomy & Astrophysics* 666, A116.
- [40] Avdellidou C., **Delbo M.**, Morbidelli A., Walsh K. J., Munaibari E., Bourdelle de Micas J., Devogèle M., Fornasier S., Gounelle M., van Belle G. 2022. Athor asteroid family as the source of the EL enstatite meteorites. *Astronomy & Astrophysics* 665, L9.
- [41] Bourdelle de Micas J., Fornasier S., Avdellidou C., **Delbo M.**, van Belle G., Ochner P., Grundy W., Moskovitz N. 2022. Composition of inner main-belt planetesimals. *Astronomy & Astrophysics* 665, A83.
- [42] Sheward D., Avdellidou C., Cook A., Sefton-Nash E., **Delbo M.**, Cantarella B., Zanatta L. 2022. Py-NAPLE: Lunar Surface Impact Crater Detection. *Monthly Notices of the Royal Astronomical Society* 514, 4320-4328.
- [43] Walsh K. J., Ballouz R.-L., Jawin E. R., Avdellidou C., Barnouin O. S., Bennett C. A., Bierhaus E. B., Bos B. J., Cambioni S., Connolly H. C., **Delbo M.**, DellaGiustina D. N., DeMartini J., Emery J. P., Golish D. R., Haas P. C., Hergenrother C. W., Ma H., Michel P., Nolan M. C., Olds R., Rozitis B., Richardson D. C., Rizk B., Ryan A. J., Sánchez P., Scheeres D. J., Schwartz S. R., Selznick S. H., Zhang Y., Lauretta D. S. 2022. Near-zero cohesion and loose packing of Bennu's near subsurface revealed by spacecraft contact. *Science Advances* 8, eabm6229.
- [44] Walsh K. J., Bierhaus E. B., Lauretta D. S., Nolan M. C., Ballouz R.-L., Bennett C. A., Jawin E. R., Barnouin O. S., Berry K., Burke K. N., Brodbeck B., Burns R., Clark B. C., Clark B. E., Cambioni S., Connolly H. C., Daly M. G., **Delbo M.**, DellaGiustina D. N., Dworkin J. P., Enos H. L., Emery J. P., Gay P., Golish D. R., Hamilton V. E., Hoover R., Lujan M., McCoy T., Mink R. G., Moreau M. C., Nolau J., Padilla J., Pajola M., Polit A. T., Robbins S. J., Ryan A. J., Selznick S. H., Stewart S., Wolner C. W. V. 2022. Assessing the Sampleability of Bennu's Surface for the OSIRIS-REx Asteroid Sample Return Mission. *Space Science Reviews* 218, 20.
- [45] Ryan A. J., Pino Muñoz D., Bernacki M., **Delbo M.**, Sakatani N., Biele J., Emery J. P., Rozitis B. 2022. Full-Field Modeling of Heat Transfer in Asteroid Regolith: 2. Effects of Porosity. *Journal of Geophysical Research (Planets)* 127, e07191.

- [46] **Delbo M.**, Walsh K. J., Matonti C., Wilkerson J., Pajola M., Al Asad M. M., Avdellidou C., Ballouz R.-L., Bennett C. A., Connolly H. C., DellaGiustina D. N., Golish D. R., Molaro J. L., Rizk B., Schwartz S. R., Lauretta D. S. 2022. Alignment of fractures on Bennu's boulders indicative of rapid asteroid surface evolution. *Nature Geoscience* 15, 453-457.
- [47] Lopez B., and 153 colleagues including **Delbo M.** 2022. MATISSE, the VLTI mid-infrared imaging spectro-interferometer. *Astronomy & Astrophysics* 659, A192.
- [48] Barucci, M. A., Reess, J.-M., Bernardi, P., Doressoundiram, A., Fornasier, S., Le Du, M., Iwata, T., Nakagawa, H., Nakamura, T., André, Y., Aoki, S., Arai, T., Baldit, E., Beck, P., Buey, J.-T., Canalias, E., Castelnau, M., Charnoz, S., Chaussidon, M., Chapron, F., Ciarletti, V., **Delbo, M.**, Dubois, B., Gauffre, S., Gautier, T., Genda, H., Hassen-Khodja, R., Hervet, G., Hyodo, R., Imbert, C., Imamura, T., Jorda, L., Kameda, S., Kouach, D., Kouyama, T., Kuroda, T., Kurokawa, H., Lapaw, L., Lasue, J., Le Deit, L., Ledot, A., Leyrat, C., Le Ruyet, B., Matsuoka, M., Merlin, F., Miyamoto, H., Moynier, F., Nguyen Tuong, N., Ogohara, K., Osawa, T., Parisot, J., Pistre, L., Quartier, B., Raymond, S. N., Rocard, F., Sakanoi, T., Sato, T. M., Sawyer, E., Tache, F., Trémolières, S., Tsuchiya, F., Vernazza, P., Zeganadin, D. 2021. MIRS: an imaging spectrometer for the MMX mission Earth. *Planets and Space*, 73, 211.
- [49] Avdellidou, C., Pajola, M., Lucchetti, A., Agostini, L., **Delbo, M.**, Mazzotta Epifani, E., Bourdelle de Micas, J., Devogèle, M., Fornasier, S., van Belle, G., Bruot, N., Dotto, E., Ieva, S., Cremonese, G., Palumbo, P. 2021 Characterisation of the main belt asteroid (223) Rosa. A proposed flyby target of ESA's JUICE mission. *Astronomy & Astrophysics*, 656, L18.
- [50] Cambioni, S., **Delbo, M.**, and 18 colleagues. 2021. Fine-regolith production on asteroids controlled by rock porosity. *Nature* 598, 49–52.
- [51] Kokoulina, E. and 60 colleagues including **Delbo', M.** 2021. First MATISSE L-band observations of HD 179218. Is the inner 10 au region rich in carbon dust particles?. *Astronomy & Astrophysics* 652.
- [52] Marrocchi, Y., **Delbo, M.**, Gounelle, M., Jull, A. J. T. 2021. The astrophysical context of collision processes in meteorites. *Meteoritics and Planetary Science* 56, 1406–1421.
- [53] Hocdé, V. and 153 colleagues including **Delbo', M.** 2021. Mid-infrared circumstellar emission of the long-period Cepheid ℓ Carinae resolved with VLTI/MATISSE. *Astronomy & Astrophysics* 651.
- [54] Avdellidou, C. and 8 colleagues including **Delbo', M.** 2021. Impacts on the Moon: Analysis methods and size distribution of impactors. *Planetary and Space Science* 200.
- [55] Sakatani, N. and 93 colleagues including **Delbo', M.** 2021. Anomalously porous boulders on (162173) Ryugu as primordial materials from its parent body. *Nature Astronomy* 5, 766–774.
- [56] Uribe-Suárez, **D., Delbo, M.**, Bouchard, P.-O., Pino-Muñoz, D. 2021. Diurnal temperature variation as the source of the preferential direction of fractures on asteroids: Theoretical model for the case of Bennu. *Icarus* 360.
- [57] Gaia Collaboration and 425 colleagues including **Delbo', M.** 2021. Gaia Early Data Release 3. Summary of the contents and survey properties. *Astronomy & Astrophysics* 649.
- [58] Deienno, R., Walsh, K. J., **Delbo, M.** 2021. Efficiency characterization of the V-shape asteroid family detection method. *Icarus* 357.
- [59] Varga, J. and 135 colleagues including **Delbo', M.** 2021. The asymmetric inner disk of the Herbig Ae star HD 163296 in the eyes of VLTI/MATISSE: evidence for a vortex?. *Astronomy & Astrophysics* 647.
- [60] DellaGiustina, D. N. and 36 colleagues including **Delbo', M.** 2021. Exogenic basalt on asteroid (101955) Bennu. *Nature Astronomy* 5, 31–38.
- [61] Libourel, G. and 6 colleagues including **Delbo', M.** 2021. Network of thermal cracks in meteorites due to temperature variations: new experimental evidence and implications for asteroid surfaces. *Monthly Notices of the Royal Astronomical Society* 500, 1905–1920.

- [62] B. Rozitis, A. J. Ryan, J. P. Emery, P. R. Christensen, V. E. Hamilton, A. A. Simon, D. C. Reuter, M. Al Asad, R.-L. Ballouz, J. L. Bandfield, O. S. Barnouin, C. A. Bennett, M. Bernacki, K. N. Burke, S. Cambioni, B. E. Clark, M. G. Daly, **M. Delbo**, D. N. DellaGiustina, C. M. Elder, R. D. Hanna, C. W. Haberle, E. S. Howell, D. R. Golish, E. R. Jawin, H. H. Kaplan, L. F. Lim, J. L. Molaro, D. Pino Munoz, M. C. Nolan, B. Rizk, M. A. Siegler, H. C. M. Susorney, K. J. Walsh, D. S. Lauretta 2020. Asteroid (101955) Bennu's weak boulders and thermally anomalous equator. *Science Advances* 6, 41, eabc3699.
- [63] Cellino, A., Bendjoya, Ph., Delbo', M., Galluccio, L., Gayon-Markt, J., Tanga, P., Tedesco, E. F. 2020. Ground-based visible spectroscopy of asteroids to support the development of an unsupervised Gaia asteroid taxonomy. *Astronomy & Astrophysics* 642, A80.
- [64] Avdellidou, C., Di Donna A., Schultz C., Harthong B., Price M. C., Peyroux R., Britt D., Cole M., **Delbo, M.** 2020 Very weak carbonaceous asteroid simulants I: Mechanical properties and response to hypervelocity impacts. *Icarus* 341.
- [65] DellaGiustina, D. N. and 58 colleagues including **Delbo', M.** 2020. Variations in color and reflectance on the surface of asteroid (101955) Bennu. *Science* 370.
- [66] Ballouz, R.-L. and 24 colleagues including **Delbo', M.** 2020. Bennu's near-Earth lifetime of 1.75 million years inferred from craters on its boulders. *Nature* 587, 205–209.
- [67] Morbidelli, A. **Delbo, M.** and 6 colleagues. 2020. Debiased albedo distribution for Near Earth Objects. *Icarus* 340.
- [68] Uribe-Suárez,, D., Bouchard, P.O., **Delbo, M.**, Pino-Muñoz, D. 2020. Numerical modeling of crack propagation with dynamic insertion of cohesive elements. *Eng. Fract. Mech.* 227, 106918.
- [69] Ryan, A. J., Pino Muñoz, D., Bernacki, M., **Delbo, M.** 2020. Full-Field Modeling of Heat Transfer in Asteroid Regolith: Radiative Thermal Conductivity of Polydisperse Particulates. *Journal of Geophysical Research (Planets)* 125.
- [70] Ravaji, B., Alí-Lagoa, V., **Delbo, M.**, Wilkerson, J. W. 2019. Unraveling the Mechanics of Thermal Stress Weathering: Rate-Effects, Size-Effects, and Scaling Laws. *Journal of Geophysical Research (Planets)* 124, 3304–3328.
- [71] El Mir, C., Ramesh, K. T., **Delbo', M.** 2019. The efficiency of thermal fatigue in regolith generation on small airless bodies. *Icarus* 333, 356.
- [72] Grott, M., and 36 colleagues including **Delbo', M.** 2019. Low thermal conductivity boulder with high porosity identified on C-type asteroid (162173) Ryugu. *Nature Astronomy* 406.
- [73] Cambioni, S., **Delbo', M.**, Ryan, A. J., Furfaro, R., Asphaug, E. 2019. Constraining the thermal properties of planetary surfaces using machine learning: Application to airless bodies. *Icarus* 325, 16.
- [74] **Delbo', M.**, Avdellidou, C., Morbidelli, A. 2019. Ancient and primordial collisional families as the main sources of X-type asteroids of the inner main belt. *Astronomy & Astrophysics* 624, A69.
- [75] Dellagiustina, D. N., and 58 colleagues including **Delbo', M.** 2019. Properties of rubble-pile asteroid (101955) Bennu from OSIRIS-REx imaging and thermal analysis. *Nature Astronomy* 3, 341.
- [76] Walsh, K. J. and 38 colleagues including **Delbo', M.** 2019. Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. *Nature Geoscience* 12, 242–246.
- [77] Gaia Collaboration, and 455 colleagues including **Delbo', M.** 2019. Gaia Data Release 2. Variable stars in the colour-absolute magnitude diagram. *Astronomy & Astrophysics* 623, A110.
- [78] Hanuš, J., Vokrouhlický, D., **Delbo', M.** and 8 colleagues 2018. (3200) Phaethon: Bulk density from Yarkovsky drift detection. *Astronomy & Astrophysics* 620, L8.
- [79] Herique, A., and 57 colleagues including **Delbo', M.** 2018. Direct observations of asteroid interior and regolith structure: Science measurement requirements. *Advances in Space Research* 62, 2141.

- [80] Mommert, M., McNeill, A., Trilling, D. E., Moskovitz, N., **Delbo', M.** 2018. The Main Belt Asteroid Shape Distribution from Gaia Data Release 2. *The Astronomical Journal* 156, 139.
- [81] Gaia Collaboration, and 451 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. The celestial reference frame (Gaia-CRF2). *Astronomy & Astrophysics* 616, A14.
- [82] Gaia Collaboration, and 451 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. Observations of solar system objects. *Astronomy & Astrophysics* 616, A13.
- [83] Gaia Collaboration, and 446 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. Kinematics of globular clusters and dwarf galaxies around the Milky Way. *Astronomy & Astrophysics* 616, A12.
- [84] Gaia Collaboration, and 452 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. Mapping the Milky Way disc kinematics. *Astronomy & Astrophysics* 616, A11.
- [85] Gaia Collaboration, and 452 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. Observational Hertzsprung-Russell diagrams. *Astronomy & Astrophysics* 616, A10.
- [86] Gaia Collaboration, and 453 colleagues including **Delbo', M.** 2018. Gaia Data Release 2. Summary of the contents and survey properties. *Astronomy & Astrophysics* 616, A1.
- [87] Hanuš, J., **Delbo', M.**, Ďurech, J., Alí-Lagoa, V. 2018. Thermophysical modeling of main-belt asteroids from WISE thermal data. *Icarus* 309, 297.
- [88] Avdellidou, C., **Delbo', M.**, Fienga, A. 2018. Exogenous origin of hydration on asteroid (16) Psyche: the role of hydrated asteroid families. *Monthly Notices of the Royal Astronomical Society* 475, 3419-3428.
- [89] Hazeli, K., El Mir, C., Papanikolaou, S., **Delbo', M.**, Ramesh, K. T. 2018. The origins of Asteroidal rock disaggregation: Interplay of thermal fatigue and microstructure. *Icarus* 304, 172-182.
- [90] Tsirvoulis, G., Morbidelli, A., **Delbo', M.**, Tsiganis, K. 2018. Reconstructing the size distribution of the primordial Main Belt. *Icarus* 304, 14-23.
- [91] Bolin, B. T., Walsh, K. J., Morbidelli, A., **Delbo', M.** 2018. Initial velocity V-shapes of young asteroid families. *Monthly Notices of the Royal Astronomical Society* 473, 3949-3968.
- [92] Hanuš, J., and 36 colleagues including **Delbo', M.** 2018. Spin states of asteroids in the Eos collisional family. *Icarus* 299, 84-96.
- [93] Gaia Collaboration and 585 colleagues including **Delbo', M.** 2017. Gaia Data Release 1. Testing parallaxes with local Cepheids and RR Lyrae stars. *Astronomy & Astrophysics* 605, A79.
- [94] **Delbo', M.**, Walsh, K., Bolin, B., Avdellidou, C., Morbidelli, A. 2017. Identification of a primordial asteroid family constrains the original planetesimal population. *Science* 357, 1026-1029.
- [95] Marsset, M., and 17 colleagues including **Delbo', M.** 2017. 3D shape of asteroid (6) Hebe from VLT/SPHERE imaging: Implications for the origin of ordinary H chondrites. *Astronomy & Astrophysics* 604, A64.
- [96] Ďurech, J., **Delbo', M.**, Carry, B., Hanuš, J., Alí-Lagoa, V. 2017. Asteroid shapes and thermal properties from combined optical and mid-infrared photometry inversion. *Astronomy & Astrophysics* 604, A27.
- [97] Alí-Lagoa, V., **Delbo', M.** 2017. Sizes and albedos of Mars-crossing asteroids from WISE/NEOWISE data. *Astronomy & Astrophysics* 603, A55.
- [98] **Delbo', M.** 2017. Comets: Exposing the icy interior of 67P. *Nature Astronomy* 1, 0126.
- [99] Hanuš, J., and 13 colleagues including **Delbo', M.** 2017. Volumes and bulk densities of forty asteroids from ADAM shape modeling. *Astronomy & Astrophysics* 601, A114.
- [100] Gaia Collaboration, and 591 colleagues including **Delbo', M.** 2017. Gaia Data Release 1. Open cluster astrometry: performance, limitations, and future prospects. *Astronomy & Astrophysics* 601, A19.

- [101] Müller, T. G., and 29 colleagues including **Delbo', M.** 2017. Hayabusa-2 mission target asteroid 162173 Ryugu (1999 JU₃): Searching for the object's spin-axis orientation. *Astronomy & Astrophysics* 599, A103.
- [102] Vernazza, P., and 17 colleagues **Delbo', M.** 2017. Different Origins or Different Evolutions? Decoding the Spectral Diversity Among C-type Asteroids. *The Astronomical Journal* 153, 72.
- [103] Avdellidou, C., Price, M. C., **Delbo', M.**, Cole, M. J. 2017. Survival of the impactor during hypervelocity collisions - II. An analogue for high-porosity targets. *Monthly Notices of the Royal Astronomical Society* 464, 734-738.
- [104] Libourel, G., Michel, P., **Delbo', M.**, Ganino, C., Recio-Blanco, A., de Laverny, P., Zolensky, M. E., Krot, A. N. 2017. Search for primitive matter in the Solar System. *Icarus*, 282, 375-379.
- [105] Bolin, B. T., **Delbo', M.**, Morbidelli, A., Walsh, K. J. 2017. Yarkovsky V-shape identification of asteroid families. *Icarus* 282, 290-312.
- [106] Gaia Collaboration, Brown, A. G. et 590 coauthors including **Delbo', M.** 2016 Gaia Data Release 1. Summary of the astrometric, photometric, and survey properties. *Astronomy & Astrophysics* 595, A2.
- [107] Gaia Collaboration, Prusti, T., et 624 coauthors including **Delbo', M.** 2016. The Gaia mission. *Astronomy & Astrophysics* 595, A1.
- [108] Pinilla-Alonso, N., de León, J., Walsh, K. J., Campins, H., Lorenzi, V., **Delbo', M.**, DeMeo, F., Licandro, J., Landsman, Z., Lucas, M. P., Alí-Lagoa, V., Burt, B. 2016. Portrait of the Polana-Eulalia family complex: Surface homogeneity revealed from near-infrared spectroscopy. *Icarus* 274, 231-248.
- [109] Hanuš, J., **Delbo', M.**, Vokrouhlický, D., Pravec, P., Emery, J. P., Alí-Lagoa, V., Bolin, B., Devogèle, M., Dyvig, R., Galád, A., Jedicke, R., Kornoš, L., Kušnirák, P., Licandro, J., Reddy, V., Rivet, J.-P., Világi, J., Warner, B. D. 2016. Near-Earth asteroid (3200) Phaethon: Characterization of its orbit, spin state, and thermophysical parameters. *Astronomy & Astrophysics* 592, A34.
- [110] Michel, P., Cheng, A., Küppers, M., Pravec, P., Blum, J., **Delbo', M.**, Green, S. F., Rosenblatt, P., Tsiganis, K., Vincent, J. B., Biele, J., Ciarletti, V., Hérique, A., Ulamec, S., Carnelli, I., Galvez, A., Benner, L., Naidu, S. P., Barnouin, O. S., Richardson, D. C., Rivkin, A., Scheirich, P., Moskovitz, N., Thirouin, A., Schwartz, S. R., Campo Bagatin, A., Yu, Y. 2016. Science case for the Asteroid Impact Mission (AIM): A component of the Asteroid Impact Deflection Assessment (AIDA) mission. *Advances in Space Research* 57, 2529-2547.
- [111] Alí-Lagoa, V., Licandro, J., Gil-Hutton, R., Cañada-Assandri, M., **Delbo', M.**, de León, J., Campins, H., Pinilla-Alonso, N., Kelley, M. S. P., Hanuš, J. 2016. Differences between the Pallas collisional family and similarly sized B-type asteroids. *Astronomy & Astrophysics* 591, A14.
- [112] Tanga, P., Mignard, F., Dell'Oro, A., Muinonen, K., Pauwels, T., Thuillot, W., Berthier, J., Cellino, A., Hestroffer, D., Petit, J.-M., Carry, B., David, P., **Delbo', M.**, Fedorets, G., Galluccio, L., Granvik, M., Ordenovic, C., Pentikäinen, H. 2016. The daily processing of asteroid observations by Gaia. *Planetary and Space Science* 123, 87-94.
- [113] Avdellidou, C., Price, M. C., **Delbo', M.**, Ioannidis, P., Cole, M. J. 2016. Survival of the impactor during hypervelocity collisions I: An analogue for low porosity targets. *Monthly Notices of the Royal Astronomical Society* 456, 2957-2965.
- [114] de León J., Pinilla-Alonso N., **Delbo' M.**, Campins H., Cabrera-Lavers A., Tanga P., Cellino A., Bendjoya P., Gayon-Markt J., Licandro J., Lorenzi V., Morate D., Walsh K. J., DeMeo F., Landsman Z., Alí-Lagoa V. 2016. Visible spectroscopy of the Polana-Eulalia family complex: Spectral homogeneity. *Icarus* 266, 57-75.
- [115] Granvik, M., Morbidelli, A., Jedicke, R., Bolin, B., Bottke, W. F., Beshore, E., Vokrouhlicky, D., **Delbo', M.**, Michel, P. 2016. Super-catastrophic disruption of asteroids at small perihelion distances. *Nature* 530, 303-306.

- [116] Groussin O., Licandro J., Helbert J., Reynaud J. L., Levacher P., Reyes García-Talavera M., Alí-Lagoa V., Blanc P. E., Brageot E., Davidsson B., **Delbo', M.**, Deleuze M., Delsanti A., Diaz Garcia J. J., Dohlen K., Ferrand D., Green S. F., Jorda L., Joven Álvarez E., Knollenberg J., Kührt E., Lamy P., Lellouch E., Le Merrer J., Marty B., Mas G., Rossin C., Rozitis B., Sunshine J., Vernazza P., Vives S. 2015. THERMAP: a mid-infrared spectro-imager for space missions to small bodies in the inner solar system. *Experimental Astronomy* 41, 95-115.
- [117] Hanuš, J., and 168 colleagues including **Delbo', M.** 2016. New and updated convex shape models of asteroids based on optical data from a large collaboration network. *Astronomy & Astrophysics* 586, A108.
- [118] Licandro J., Müller T., Alvarez C., Alí-Lagoa V., **Delbo', M.** 2016. GTC/CanariCam observations of (99942) Apophis. *Astronomy & Astrophysics* 585, A10.
- [119] Mommert M., Harris A. W., Mueller M., Hora J. L., Trilling D. E., Bottke W. F., Thomas C. A., **Delbo', M.**, Emery J. P., Fazio G., Smith H. A. 2015. ExploreNEOs. VIII. Dormant Short-period Comets in the Near-Earth Asteroid Population. *The Astronomical Journal* 150, 106.
- [120] Alí-Lagoa V., **Delbo M.**, Libourel G. 2015. Rapid Temperature Changes and the Early Activity on Comet 67P/Churyumov-Gerasimenko. *The Astrophysical Journal* 810, L22.
- [121] Hanuš J., **Delbo', M.**, Ďurech J., Alí-Lagoa V. 2015. Thermophysical modeling of asteroids from WISE thermal infrared data - Significance of the shape model and the pole orientation uncertainties. *Icarus* 256, 101-116.
- [122] Tanga P., Carry B., Colas F., **Delbo', M.**, Matter A., Hanuš J., Alí Lagoa V., Andrei A. H., Assafin M., Audejean M., Behrend R., Camargo J. I. B., Carbognani A., Cedrés Reyes M., Conjat M., Cornero N., Coward D., Crippa R., de Ferra Fantin E., Devogéle M., Dubos G., Frappa E., Gillon M., Hamanowa H., Jehin E., Klotz A., Kryszczyńska A., Lecacheux J., Leroy A., Manfroid J., Manzini F., Maquet L., Morelle E., Mottola S., Polińska M., Roy R., Todd M., Vachier F., Vera Hernández C., Wiggins P. 2015. The non-convex shape of (234) Barbara, the first Barbarian. *Monthly Notices of the Royal Astronomical Society* 448, 3382-3390.
- [123] Lauretta D. S., Bartels A. E., Barucci M. A., Bierhaus E. B., Binzel R. P., Bottke W. F., Campins H., Chesley S. R., Clark B. C., Clark B. E., Cloutis E. A., Connolly H. C., Crombie M. K., **Delbo', M.**, Dworkin J. P., Emery J. P., Glavin D. P., Hamilton V. E., Hergenrother C. W., Johnson C. L., Keller L. P., Michel P., Nolan M. C., Sandford S. A., Scheeres D. J., Simon A. A., Sutter B. M., Vokrouhlický D., Walsh K. J. 2015. The OSIRIS-REx target asteroid (101955) Bennu: Constraints on its physical, geological, and dynamical nature from astronomical observations. *Meteoritics and Planetary Science* 50, 834-849.
- [124] Carry B., Matter A., Scheirich P., Pravec P., Molnar L., Mottola S., Carbognani A., Jehin E., Marciniak A., Binzel R. P., DeMeo F. E., Birlan M., **Delbo', M.**, Barbotin E., Behrend R., Bonnardeau M., Colas F., Farissier P., Fauvaud M., Fauvaud S., Gillier C., Gillon M., Hellmich S., Hirsch R., Leroy A., Manfroid J., Montier J., Morelle E., Richard F., Sobkowiak K., Strajnic J., Vachier F. 2015. The small binary asteroid (939) Isberga. *Icarus*, 248, 516-525.
- [125] Bottke W. F., Vokrouhlický D., Walsh K. J., **Delbo', M.**, Michel P., Lauretta D. S., Campins H., Connolly H. C., Scheeres D. J., Chelsey S. R. 2015. In search of the source of asteroid (101955) Bennu: Applications of the stochastic YORP model. *Icarus* 247, 191-217.
- [126] **Delbo', M.**, Libourel, G., Wilkerson, J., Murdoch, N., Michel, P., Ramesh, K. T., Ganino, C., Verati, C., Marchi, S. 2014. Thermal fatigue as the origin of regolith on small asteroids. *Nature* 508, 233-236.
- [127] Cellino, A., Bagnulo, S., Tanga, P., Novaković, B., **Delbo', M.** 2014. A successful search for hidden Barbarians in the Watsonia asteroid family. *Monthly Notices of the Royal Astronomical Society* 439, L75-L79.
- [128] Thomas, C. A., Emery, J. P., Trilling, D. E., **Delbo', M.**, Hora, J. L., Mueller, M. 2014. Physical characterization of Warm Spitzer-observed near-Earth objects. *Icarus* 228, 217-246.

- [129] Mommert, M., Hora, J. L., Harris, A. W., Reach, W. T., Emery, J. P., Thomas, C. A., Mueller, M., Cruikshank, D. P., Trilling, D. E., **Delbo', M.**, Smith, H. A. 2014. The Discovery of Cometary Activity in Near-Earth Asteroid (3552) Don Quixote. *The Astrophysical Journal* 781, 25.
- [130] Alí-Lagoa, V., Lionni, L., **Delbo', M.**, Gundlach, B., Blum, J., Licandro, J. 2014. Thermophysical properties of near-Earth asteroid (341843) 2008 EV₅ from WISE data. *Astronomy & Astrophysics* 561, A45.
- [131] Matter, A., **Delbo', M.**, Carry, B., Ligi, S. 2013. Evidence of a metal-rich surface for the Asteroid (16) Psyche from interferometric observations in the thermal infrared. *Icarus* 226, 419-427.
- [132] Campins, H., de León, J., Morbidelli, A., Licandro, J., Gayon-Markt, J., **Delbo', M.**, Michel, P. 2013. The Origin of Asteroid 162173 (1999 JU₃). *The Astronomical Journal* 146, 26.
- [133] Walsh, K. J., **Delbo', M.**, Bottke, W. F., Vokrouhlický, D., Lauretta, D. S. 2013. Introducing the Eulalia and new Polana asteroid families: Re-assessing primitive asteroid families in the inner Main Belt. *Icarus* 225, 283-297.
- [134] Selsis, F., Maurin, A.-S., Hersant, F., Leconte, J., Bolmont, E., Raymond, S. N., **Delbo', M.** 2013. The effect of rotation and tidal heating on the thermal lightcurves of super Mercuries. *Astronomy & Astrophysics* 555, A51.
- [135] Alí-Lagoa, V., de León, J., Licandro, J., **Delbo', M.**, Campins, H., Pinilla-Alonso, N., Kelley, M. S. 2013. Physical properties of B-type asteroids from WISE data. *Astronomy & Astrophysics* 554, A71.
- [136] **Delbo', M.**, Gayon-Markt, J., Busso, G., Brown, A., Galluccio, L., Ordenovic, C., Bendjoya, P., Tanga, P. 2012. Asteroid spectroscopy with Gaia. *Planetary and Space Science* 73, 1, 86-94.
- [137] Carbognani, A., Tanga, P., Cellino, A., Delbo, M., Mottola, S., Marchese, E. 2012. The representation of asteroid shapes: A test for the inversion of Gaia photometry. *Planetary and Space Science* 73, 1, 80-85.
- [138] Vernazza, P., **Delbo', M.**, King, P. L., Izawa, M. R. M., Olofsson, J., Lamy, P., Cipriani, F., Binzel, R. P., Marchis, F., Merín, B., Tamanai, A. 2012. High surface porosity as the origin of emissivity features in asteroid spectra. *Icarus* 221, 1162-1172.
- [139] Gayon-Markt, J., **Delbo', M.**, Morbidelli, A., Marchi, S. 2012. On the origin of the Almahata Sitta meteorite and 2008 TC₃ asteroid. *Monthly Notices of the Royal Astronomical Society* 424, 508-518.
- [140] Chaumard, N., Devouard, B., **Delbo', M.**, Provost, A., Zanda, B. 2012. Radiative heating of carbonaceous near-Earth objects as a cause of thermal metamorphism for CK chondrites. *Icarus* 220, 65-73.
- [141] Walsh, K. J., **Delbo', M.**, Mueller, M., Binzel, R. P., DeMeo, F. E. 2012. Physical Characterization and Origin of Binary Near-Earth Asteroid (175706) 1996 FG₃. *The Astrophysical Journal* 748, 104.
- [142] Matter, A., **Delbo', M.**, Ligi, S., Crouzet, N., Tanga, P. 2011. Determination of physical properties of the Asteroid (41) Daphne from interferometric observations in the thermal infrared. *Icarus* 215, 47-56.
- [143] Thomas, C. A., Trilling, D. E., Emery, J. P., Mueller, M., Hora, J. L., Benner, L. A. M., Bhattacharya, B., Bottke, W. F., Chesley, S., **Delbo', M.**, Fazio, G., Harris, A. W., Mainzer, A., Mommert, M., Morbidelli, A., Penprase, B., Smith, H. A., Spahr, T. B., Stansberry, J. A. 2011. ExploreNEOs. V. Average Albedo by Taxonomic Complex in the Near-Earth Asteroid Population. *The Astronomical Journal* 142, 85.
- [144] Mottola, S., Di Martino, M., Erikson, A., Gonano-Beurer, M., Carbognani, A., Carsenty, U., Hahn, G., Schober, H.-J., Lahulla, F., **Delbo', M.**, Lagerkvist, C.-I. 2011. Rotational Properties of Jupiter Trojans. I. Light Curves of 80 Objects. *The Astronomical Journal*, 141, 170.
- [145] **Delbo', M.**, Walsh, K., Mueller, M., Harris, A.W., Howell, H. 2011. The cool surfaces of binary near-Earth Asteroids. *Icarus*. 212, 138-148.

- [146] Mueller, M., **M. Delbo'**, D. E. Trilling, B. Bhattacharya, W. F. Bottke, S. Chesley, J. P. Emery, G. G. Fazio, A. W. Harris, J. L. Hora, A. Mainzer, M. Mommert, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas. 2011. ExploreNEOs III: Physical characterization of 65 low-deltaV NEOs. *The Astronomical Journal* 141, 109.
- [147] Harris, A. W., M. Mommert, J. L. Hora, M. Mueller, D. E. Trilling, B. Bhattacharya, W. F. Bottke, S. Chesley, **M. Delbo'**, J. P. Emery, G. Fazio, A. Mainzer, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas. 2011. ExploreNEOs. II. The Accuracy of the Warm Spitzer Near-Earth Object Survey. *The Astronomical Journal* 141, 75.
- [148] **Delbo'**, M., Michel, P. 2011. Temperature History and Dynamical Evolution of (101955) 1999 RQ 36:A Potential Target for Sample Return from a Primitive Asteroid. *The Astrophysical Journal* 728, L42.
- [149] Cellino, A., **Delbo'**, M., Bendjoya, P., Tedesco, E. F. 2010. Polarimetric evidence of close similarity between members of the Karin and Koronis dynamical families. *Icarus* 209, 556-563.
- [150] Muinonen, K., Belskaya, I. N., Cellino, A., **Delbo'**, M., Lvasseur-Regourd, A.-C., Penttilä, A., Tedesco, E. F. 2010. A three-parameter magnitude phase function for asteroids. *Icarus* 209, 542-555.
- [151] Michel, P., **Delbo'**, M. 2010. Orbital and thermal evolutions of four potential targets for a sample return space mission to a primitive near-Earth asteroid. *Icarus* 209, 520-534.
- [152] Lauretta, D. S., M. J. Drake, R. P. Benzel, H. Campins, S. R. Chesley, B. E. Clark, **M. Delbo'**, J. P. Emery, C. A. Hergenrother, M. C. Nolan, D. J. Scheeres, and Osiris-Rex Team. 2010. Asteroid (101955) 1999 RQ36: Optimum Target for an Asteroid Sample Return Mission. *Meteoritics and Planetary Science Supplement* 73, 5153.
- [153] Trilling, D. E., M. Mueller, J. L. Hora, A. W. Harris, B. Bhattacharya, W. F. Bottke, S. Chesley, **M. Delbo'**, J. P. Emery, G. Fazio, A. Mainzer, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas. 2010. ExploreNEOs. I. Description and First Results from the Warm Spitzer Near-Earth Object Survey. *The Astronomical Journal* 140, 770-784.
- [154] **M. Delbo'**. 2009. E-ELT: Expected Applications to Asteroid Observations in the Thermal Infrared. *Earth Moon and Planets* 105, 2-4, 235-247.
- [155] Tanga, P., Hestroffer, D., **Delbo'**, M., Richardson, D. C. 2009. Asteroid rotation and shapes from numerical simulations of gravitational re-accumulation. *Planetary and Space Science* 57, 2, 193-200.
- [156] Licandro, J., H. Campins, M. Kelley, Y. Fernández, **M. Delbo'**, W. T. Reach, O. Groussin, P. L. Lamy, I. Toth, M. F. A'Hearn, J. M. Bauer, S. C. Lowry, A. Fitzsimmons, C. M. Lisse, K. J. Meech, J. Pittichová, C. Snodgrass, and H. A. Weaver 2009. Spitzer observations of the asteroid-comet transition object and potential spacecraft target 107P (4015) Wilson-Harrington. *Astronomy & Astrophysics* 507, 1667-1670.
- [157] Marchi, S., **Delbo'**, M., Morbidelli, A., Paolicchi, P., Lazzarin, M. 2009. Heating of near-Earth objects and meteoroids due to close approaches to the Sun. *Monthly Notices of the Royal Astronomical Society* 400, 147-153.
- [158] Tanga, P., Comito, C., Paolicchi, P., Hestroffer, D., Cellino, A., Dell'Oro, A., Richardson, D. C., Walsh, K. J., **Delbo'**, M. 2009. Rubble-Pile Reshaping Reproduces Overall Asteroid Shapes. *The Astrophysical Journal* 706, L197-L202.
- [159] Campins, H., Emery, J. P., Kelley, M., Fernández, Y., Licandro, J., **Delbo'**, M., Barucci, A., Dotto, E. 2009. Spitzer observations of spacecraft target 162173 (1999 JU3). *Astronomy & Astrophysics* 503, L17-L20.
- [160] **Delbo'**, M., Ligori, S., Matter, A., Cellino, A., Berthier, J. 2009. First VLTI-MIDI Direct Determinations of Asteroid Sizes. *The Astrophysical Journal* 694, 1228-1236.
- [161] **Delbo'**, M., Tanga, P. 2009. Thermal inertia of main belt asteroids smaller than 100 km from IRAS data. *Planetary and Space Science* 57, 259-265.

- [162] Muinonen, K., Penttilä, A., Cellino, A., Belskaya, I. N., **Delbo', M.**, Lvasseur-Regourd, A. C., Tedesco, E. F. 2009. Asteroid photometric and polarimetric phase curves: Joint linear-exponential modeling. *Meteoritics and Planetary Science* 44, 1937-1946.
- [163] **Delbo', M.**, Tanga, P., Mignard, F. 2008. On the detection of the Yarkovsky effect on near-Earth asteroids by means of Gaia. *Planetary and Space Science* 56, 14, 1823-1827.
- [164] Tanga, P., Hestroffer, D., **Delbo', M.**, Frouard, J., Mouret, S., Thuillot, W. 2008 Gaia, an unprecedented observatory for Solar System dynamics. *Planetary and Space Science* 56, 14, 1812-1818.
- [165] Carvano, J. M., Barucci, M. A., **Delbo', M.**, Fornasier, S., Lowry, S., Fitzsimmons, A. 2008. Surface properties of Rosetta's targets (21) Lutetia and (2867) Steins from ESO observations. *Astronomy & Astrophysics* 479, 241-248.
- [166] Tanga, P., **Delbo', M.**, M., Hestroffer, D., Cellino, A., Mignard, F. 2007. Gaia observations of Solar System objects: Impact on dynamics and ground-based observations. *Advances in Space Research* 40, 2.
- [167] Mignard, F., Cellino, A., Muinonen, K., Tanga, P., **Delbo', M.**, Dell'Oro, A., Granvik, M., Hestroffer, D., Mouret, S., Thuillot, W., Virtanen, J. 2007. The Gaia Mission: Expected Applications to Asteroid Science. *Earth Moon and Planets* 101, 3-4.
- [168] Granvik, M., Muinonen, K., Jones, L., Bhattacharya, B., **Delbo', M.**, Saba, L., Cellino, A., Tedesco, E., Davis, D., Meadows, V. 2007. Linking large-parallax Spitzer CFHT VLT astrometry of asteroids. *Icarus* 192, 475-490.
- [169] Tanga, P., **Delbo', M.** 2007. Asteroid occultations today and tomorrow: toward the GAIA era. *Astronomy & Astrophysics* 474, 1015-1022.
- [170] **Delbo', M.**, Dell'Oro, A., Harris, A. W., Mottola, S., Mueller, M. 2007. Thermal inertia of near-Earth asteroids and implications for the magnitude of the Yarkovsky effect. *Icarus* 190, 236-249.
- [171] Harris, A. W., Mueller, M., **Delbo', M.**, Bus, S. J. 2007. Physical characterization of the potentially hazardous high-albedo Asteroid (33342) 1998 WT₂₄ from thermal-infrared observations. *Icarus* 188, 414-424.
- [172] **Delbo', M.**, Cellino, A., Tedesco, E. F. 2007. Albedo and size determination of potentially hazardous asteroids: (99942) Apophis. *Icarus* 188, 266-269.
- [173] **Delbo', M.**, M. Gai, M. G. Lattanzi, S. Ligorì, D. Loreggia, L. Saba, A. Cellino, D. Gandolfi, D. Licchelli, C. Blanco, M. Cigna, and M. Wittkowski 2006. MIDI observations of 1459 Magnya: First attempt of interferometric observations of asteroids with the VLTI. *Icarus* 181, 618-622.
- [174] Cellino, A., **Delbo', M.**, Zappalà, V., Dell'Oro, A., Tanga, P. 2006. Rotational properties of asteroids from Gaia disk-integrated photometry: A genetic algorithm. *Advances in Space Research* 38, 2000-2005.
- [175] Cellino, A., Somma, R., Tommasi, L., Paolinetti, R., Muinonen, K., Virtanen, J., Tedesco, E. F., **Delbo', M.** 2006. NERO: General concept of a Near-Earth object Radiometric Observatory. *Advances in Space Research* 37, 153-160.
- [176] Harris, A. W., Mueller, M., **Delbo', M.**, Bus, S. J. 2005. The surface properties of small asteroids: Peculiar Betulia: A case study. *Icarus* 179, 95-108.
- [177] Di Martino, M., S. Montebugnoli, G. Cevolani, S. Ostro, A. Zaitsev, S. Righini, L. Saba, S. Poppi, **M. Delbo', A.** Orlati, G. Maccaferri, C. Bortolotti, A. Gavrik, and Y. Gavrik 2004. Results of the first Italian planetary radar experiment. *Planetary and Space Science* 52, 325-330.
- [178] **Delbo', M.**, Harris, A. W., Binzel, R. P., Pravec, P., Davies, J. K. 2003. Keck observations of near-Earth asteroids in the thermal infrared. *Icarus* 166, 116-130.
- [179] Harris, A. W., **Delbo', M.**, Binzel, R. P., Davies, J. K., Roberts, J., Tholen, D. J., Whiteley, R. J. 2001. Visible to Thermal-Infrared Spectrophotometry of a Possible Inactive Cometary Nucleus. *Icarus* 153, 332-337.

- [180] Gai, M., Carollo, D., **Delbo', M.**, Lattanzi, M. G., Massone, G., Bertinetto, F., Mana, G., Cesare, S. 2001. Location accuracy limitations for CCD cameras. *Astronomy and Astrophysics* 367, 362-370.

Invited talks in intl. conferences

- [1] *Observational constraints to the primordial size distribution of Main Belt asteroids.*
Marco Delbo. Planetesimal formation meeting. 17-20 November 2020. A virtual interdisciplinary workshop on planetesimal formation via the streaming instability that explores the connection to protoplanetary disc observations and the Solar System minor bodies.
- [2] *The search for the most ancient asteroid collisions reveals the original planetesimals of our solar system*
Marco Delbo, Kevin Walsh, Chrysa Avdellidou, Sonia Fornasier, Rogerio Deienno, Gerard Van Belle, and Alessandro Morbidelli EPSC-DPS Joint Meeting 2019 Centre International de Conférences de Genève (CICG) — Geneva — Switzerland 15–20 September 2019
- [3] *Breaking asteroids and comets with sunlight – The contribution of K.T. Ramesh* The Mach Conference Annapolis MD, USA, 3-5 April, 2019
- [4] *L'exploration spatiale des petits corps du Système Solaire: des retours d'échantillons aux observations remotes.*
Réunion des sciences de la Terre et de la Société Géologique de France – Lille 22 - 26 Octobre 2018.
- [5] *OSIRS-REx@Bennu and Hayabusa2@Ryugu: thermal modelling of sample return mission target asteroids*
Marco Delbo, Kevin Walsh, Tatsuaki Okada, Satoshi Tanaka, Naoya Sakatani, Hiroki Senshu, and Jean-Pierre Bibring Mon, 17 Sep, 11:25–11:45, Room Mars European Planetary Science Congress 2018. Berlin, Germany.
- [6] *Asteroids observations from the ground and space: implications for our understanding of the Main Belt and of asteroid families* Tue, 18 Sep, 11:05–11:25, Room Saturn. European Planetary Science Congress 2018. Berlin, German
- [7] *The discovery of a primordial asteroid family help us to identify the original planetesimal population of our solar system* 42nd COSPAR Scientific Assembly Pasadena, CA, USA, 14 July - 22 July 2018. Declined for personal reasons.
- [8] *P33H-02: Thermophysical properties and modeling of minor bodies regoliths (Invited)* 2017 AGU Fall Meeting. New Orleans, USA, 11-15 Dec 2017.
- [9] *Sources of primordial matter in the asteroid belt'. 51ST ESLAB Symposium: Extreme Habitable Worlds Space Research and Technology Centre of the European Space Agency (ESA/ESTEC) 4-8 Dec 2017 Noordwijk the Netherlands.* (<http://old.esaconferencebureau.com/2017-events/eslab2017/poster>).
- [10] *Asteroid Thermal Modeling (invited)* Asteroid Comets and Meteors (ACM) 2017. Montevideo, Uruguay, 9-14 Apr. 2017.
- [11] *Vieillissement thermique des matériaux à la surface des astéroïdes et des comètes Mécamat – Fatigue de Structures et des Matériaux – Aussois, France, 23–27 Jan 2017.* <http://colloquemescamat2017.ensma.fr>
- [12] *Asteroid Collisions, Internal Structure, and Physical Properties: Current Knowledge and the AIDA Space Mission.* Stardust Final Conference on Asteroids and Space Debris. ESTEC, 31st Oct 2016 - 3rd Nov 2016. The Netherlands.
- [13] *Asteroid Surface Environment: Remote sensing investigation of asteroids and the nature of their regolith revealed by the thermal inertia.* Asteroid Science Intersections with In-Space Mine Engineering (ASIME) 2016, 20-22/09/2016 Luxembourg.
- [14] *The Gaia Investigation of the Solar System.* IAU General Assembly – Focus meeting 9: "Highlights in the Exploration of Small Worlds", 10-14/08/2015 Honolulu (HI), US.
- [15] *Asteroid dynamics with GAIA.* IAU General Assembly – Symposium 318 "Asteroids: New Observations, New Models, 3-7/08/2015 Honolulu (HI), US.

- [16] *A new mechanism for the formation of regolith on asteroids*. American Geophysical Union (AGU) Fall meeting, 15-19/12/2014, San Francisco (CA), US.
- [17] *Crackin up asteroids with sunlight* European Planetary Science Congress 2014. 07-12/09/2014, Cascais, Portugal.
- [18] *Thermal fatigue as the origin of regolith on small astereoid (such as Bennu)* OSIRIS-REx Science Team Meeting, Lunar and Planetary Laboratory, 22-24/04/2011, University of Arizona, Tucson, US.
- [19] *Asteroid thermal models and thermal history* OSIRIS-REx Science Team Meeting, Lunar and Planetary Laboratory, 30/10-4/11/2011, University of Arizona, Tucson, US.
- [20] *Near Earth Asteroids – Surface physical properties and albedos* AsteRisk - Observatoire de Paris, 28-29/06/2011, Meudon, France.
- [21] *Interferometry of Asteroids 10 years of VLTI: from first fringes to core science*. ESO Garching bei Muenchen, 24-27/10/2011, Germany.
- [22] *Interferometric observations of solar system minor bodies* Resolving the Future of Astronomy with Long-Baseline Interferometry. 28-31/03/2011, New Mexico Tech, Socorro (NM), US.
- [23] *Minor bodies: from thermal infrared observations to the nature of the regolith*. Regolith on Solar System Bodies. Observatoire de Paris, 1-3/12/2010, Meudon, France.
- [24] *Interferometric observations of asteroids* Observatoire de Paris, 22-23/03/2010, Meudon, France.
- [25] *Observations of asteroids in the thermal infrared with Canaricam at the Gran Telescopio Canarias* Canaricam Workshop, Instituto astrofisica de Canarias (IAC), 4-5/05/2009, Tenerife, Spain.
- [26] *Treatment of thermal infrared data* The surface composition of Mercury from UV-Vis-IR. 3-5/06/2009, University of Parma, Italy.
- [27] *Observations of solar system minor bodies with Herschel*, 11/03/2008, Rome, Italy.
- [28] *Astrometric Mission Gaia: Solar System studies*. Italian National meeting of planetary sciences: San Felice Circeo (LT), 4-8/09/2006, Italy.
- [29] *Thermal IR observations of NEOs: The physical properties of near-Earth objects from observations in the thermal infrared*. Near-Earth Objects Hazard: "Knowledge and Action", 26-28/04/2006, Belgirate, Italy.
- [30] *Observing Asteroids with the VLTI*, 02/2005, Aosta, Italy .

Refereed Proceedings

- [1] Matter, A., Lopez, B., Antonelli, P., Lehmitz, M., Bettonvil, F., Beckmann, U., Lagarde, S., Jaffe, W., Petrov, R., Berio, P., Millour, F., Robbe-Dubois, S., Glindemann, A., Bristow, P., Schoeller, M., Lanz, T., Henning, T., Weigelt, G., Heininger, M., Morel, S., Cruzalebes, P., Meisenheimer, K., Hofferbert, R., Wolf, S., Bresson, Y., Agocs, T., Allouche, F., Augereau, J.-C., Avila, G., Bailet, C., Behrend, J., van Belle, G., Berger, J.-P., van Boekel, R., Bourget, P., Brast, R., Clausse, J.-M., Connot, C., Conzelmann, R., Csepány, G., Danchi, W. C., **Delbo, M.**, Dominik, C., van Duin, A., Elswijk, E., Fantei, Y., Finger, G., Gabasch, A., Gonté, F., Graser, U., Guitton, F., Guniat, S., De Haan, M., Haguenaue, P., Hanenburg, H., Hofmann, K.-H., Hogerheijde, M., ter Horst, R., Hron, J., Hummel, C., Isderda, J., Ives, D., Jakob, G., Jasko, A., Jolley, P., Kiraly, S., Kragt, J., Kroener, T., Kroes, G., Kuindersma, S., Labadie, L., Laun, W., Leinert, C., Lizon, J.-L., Lucuix, C., Marcotto, A., Martinache, F., Martinot-Lagarde, G., Mauclert, N., Mehrgan, L., Meilland, A., Mellein, M., Menardi, S., Merand, A., Neumann, U., Nussbaum, E., Ottogalli, S., Palsa, R., Panduro, J., Pantin, E., Percheron, I., Phan Duc, T., Pott, J.-U., Pozna, E., Roelfsema, R., Rupprecht, G., Schertl, D., Schmidt, C., Schuil, M., Spang, A., Stegmeier, J., Tromp, N., Vakili, F., Vannier, M., Wagner, K., Venema, L., Woillez, J. 2016 An overview of the mid-infrared spectro-interferometer MATISSE: science, concept, and current status Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 9907, 99070A-

- [2] Wolf, S., Lopez, B., Augereau, J.-C., **Delbo, M.**, Dominik, C., Henning, T., Hofmann, K.-H., Hogerheijde, M., Hron, J., Jaffe, W., Lanz, T., Meisenheimer, K., Millour, F., Pantin, E., Petrov, R., Schertl, D., van Boekel, R., Weigelt, G., Chiavassa, A., Juhasz, A., Matter, A., Meilland, A., Nardetto, N., Paladini, C. 2016 Science with MATISSE Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, 9907, 99073S-
- [3] **Delbo, M.**, Gayon-Markt, J., Busso, G., Brown, A., Galluccio, L., Ordenovic, C., Bendjoya, P., Tanga, P. 2012 Asteroid spectroscopy with Gaia Planetary and Space Science, 73, 86-94.
- [4] Carbognani, A., Tanga, P., Cellino, A., **Delbo, M.**, Mottola, S., Marchese, E. 2012 The representation of asteroid shapes: A test for the inversion of Gaia photometry Planetary and Space Science, 73, 80-85.
- [5] **Delbo, M.**, Marchi, S., Morbidelli, A. 2009. Temperature Stress at the Surface of Near-Earth Asteroids. Meteoritics and Planetary Science Supplement 72, 5272.
- [6] **Delbo, M.** 2009. E-ELT: Expected Applications to Asteroid Observations in the Thermal Infrared. Earth Moon and Planets 105, 235-247.
- [7] Tanga, P., Hestroffer, D., **Delbo, M.**, Richardson, D. C. 2009. Asteroid rotation and shapes from numerical simulations of gravitational re-accumulation. Planetary and Space Science 57, 193-200.
- [8] **Delbo, M.**, Tanga, P., Mignard, F. 2008. On the detection of the Yarkovsky effect on near-Earth asteroids by means of Gaia. Planetary and Space Science 56, 1823-1827.
- [9] Tanga, P., Hestroffer, D., **Delbo, M.**, Frouard, J., Mouret, S., Thuillot, W. 2008. Gaia, an unprecedented observatory for Solar System dynamics. Planetary and Space Science 56, 1812-1818.
- [10] Mignard, F., Cellino, A., Muinonen, K., Tanga, P., **Delbo, M.**, Dell'Oro, A., Granvik, M., Hestroffer, D., Mouret, S., Thuillot, W., Virtanen, J., 2008. The Gaia mission: Expected applications to asteroid science. Earth Moon Planets 101, 97-125.
- [11] Cellino, A., **Delbo, M.** and Tedesco, E.F. 2007. Albedo and size of (99942) Apophis from polarimetric observations. proceedings of IAU Symposium No 236 "Near Earth Objects, our Celestial Neighbors: Opportunity and Risk". A. Milani, G. Valsecchi & D. Vokrouhlicky, eds., 451-454.
- [12] Mueller, M., **Delbo, M.**, Kaasalainen, M., di Martino, M., Bus, S.J., Harris, A.W. 2007. Indications for Regolith on Itokawa from Thermal-Infrared Observations. PASP Conference Series, in press.
- [13] Kaasalainen, M., Abe, M., Byron, J., **Delbo, M.**, Di Martino, M., Higgins, D., Kitazato, K., Lowry, S., Masi, G., Mueller, M., Vokrouhlicky, D., Warner, B. D., Weissman, P., and Young, J. 2007. Photometric Observations 2001-2004 and Modelling of (25143) Itokawa. PASP Conference Series, in press.
- [14] Tanga, P., **Delbo, M.**, Hestroffer, D., Cellino, A., Mignard, F. 2007. Gaia observations of Solar System objects: Impact on dynamics and ground-based observations. Advances in Space Research 40, 209-214.
- [15] Lvasseur-Regourd, A. C., Fulchignoni, M., **Delbo, M.**, Binzel, R. P. 2005. NEO sizes, shapes and surface physical properties. Comptes Rendus Physique 6, 313-320.
- [16] Dotto, E., Barucci, M. A., Binzel, R. P., **Delbo, M.** 2005. Surface compositions of NEOs. Comptes Rendus Physique 6, 303-312.
- [17] **Delbo, M.**, Harris, A. W. 2002. Physical properties of near-Earth asteroids from thermal infrared observations and thermal modeling. Meteoritics and Planetary Science 37, 1929-1936.

Refereed book chapters

- [1] Klahr, H., **Delbo, M.**, and Konstantin Gerbig, K. Constraining the formation of main belt asteroids: Timing of formation and initial size-frequency distribution. in Vesta and Ceres – Insights from the Dawn Mission for the Origin of the Solar System. Edited by Simone Marchi, Carol A. Raymond, and Christopher T. Russell. Cambridge University Press. Exp. publication February 2022.

- [2] Klahr H., **Delbo M.**, Gerbig K. 2022. Formation of Main Belt Asteroids. in *Vesta and Ceres – Insights from the Dawn Mission for the Origin of the Solar System*. Edited by Simone Marchi, Carol A. Raymond, and Christopher T. Russell. Cambridge University Press. ISBN: 9781108856324
- [3] **Delbo, M.**, Mueller, M., Emery, J. P., Rozitis, B., Capria, M. T. 2015. Asteroid thermophysical modeling. in *Asteroids IV*, Michel, P., DeMeo, F., Bottke, W.F. eds. the University of Arizona Press. in press. ArXiv e-prints arXiv:1508.05575.
- [4] Durech, J., Carry, B., **Delbo, M.**, Kaasalainen, M., Viikinkoski, M. 2015. Asteroid Models from Multiple Data Sources. in *Asteroids IV*, Michel, P., DeMeo, F., Bottke, W.F. eds. the University of Arizona Press. in press. ArXiv e-prints arXiv:1502.04816.

Refereed thesis

- [1] **Delbo, M.**, 2015. *Studies of the physical nature of asteroids: current trends and perspectives*. Université de Nice Sophia Antipolis, Observatoire de la Côte d'Azur, Thèse d'Habilitation à diriger des Recherches, Ecole Doctorale sciences Fondamentales et Appliquées (ED-SFA): https://www-n.oca.eu/delbo/HDR/MemoireHDR_Delbo_20150518.pdf
- [2] **Delbo, M.**, 2004. *The nature of near-earth asteroids from the study of their thermal infrared emission*. Freie Universität Berlin, Digitale Dissertation, on-line at: <http://www.diss.fu-berlin.de/2004/289/indexe.html>
- [3] **Delbo, M.**, 1997. *Sistema di Guida per il telescopio asterometrico dell'Osservatorio di Torino*, Thèse de Laurea, University of Genova and Astronomical Observatory of Torino, Italia.

Other refereed publications

- [1] **Delbo, M.** 2006. Thermal Infrared Asteroid Diameters and Albedos V1.0. NASA Planetary Data System 52.

Communications in int. conferences

- [1] Mainzer, A. and 70 colleagues including **Delbo, M.** 2021. The Future of Planetary Defense in the Era of Advanced Surveys. Bulletin of the American Astronomical Society. doi:10.3847/25c2cf87.ba7af878
- [2] Lim, L. F. and 17 colleagues including **Delbo, M.** 2021. Main-Belt Infrared Spectral Analogues for (101955) Bennu: Gaussian Fitting to AKARI Spectra of Bennu-Like Asteroids. Lunar and Planetary Science Conference.
- [3] Sakatani, N. and 47 colleagues including **Delbo, M.** 2021. Anomalously Porous and Dark Rocks on Asteroid (162173) Ryugu. Lunar and Planetary Science Conference.
- [4] Pajola, M. and 8 colleagues including **Delbo, M.** 2021. Clasts on (101955) Bennu's boulders: Implications for their possible origin. 43rd COSPAR Scientific Assembly. Held 28 January - 4 February 43.
- [5] Ballouz, R. and 23 colleagues including **Delbo, M.** 2020. Craters on (101955) Bennu's boulders. AAS/Division for Planetary Sciences Meeting Abstracts.
- [6] Rozitis, B. and 34 colleagues including **Delbo, M.** 2020. Thermophysical properties of Bennu and the OSIRIS-REx sample sites. AAS/Division for Planetary Sciences Meeting Abstracts.
- [7] Jawin, E. R. and 25 colleagues including **Delbo, M.** 2020. Diverse Boulders and Recent Mass Movement: Two Years of OSIRIS-REx Observations of the Geology of Asteroid (101955) Bennu. AAS/Division for Planetary Sciences Meeting Abstracts.
- [8] DellaGiustina, D. N. and 13 colleagues including **Delbo, M.** 2020. Material from (4) Vesta on (101955) Bennu. AAS/Division for Planetary Sciences Meeting Abstracts.

- [9] Walsh, K. J. and 25 colleagues including **Delbo, M.** 2020. Geology of Bennu's Equatorial Region. AAS/Division for Planetary Sciences Meeting Abstracts.
- [10] Avdellidou, C. and 8 colleagues including **Delbo, M.** 2020. Hypervelocity impacts on carbonaceous asteroid simulants: comparison with observations. European Planetary Science Congress.
- [Avdellidou et al.(2020)] Avdellidou, C. and 7 colleagues including **Delbo, M.** 2020. Lunar impact flashes: first detection from the Observatory of Nice. European Planetary Science Congress.
- [11] Athanasopoulos, D., Gazeas, K., **Delbo, M.** 2020. Preliminary results on the photometric study of two primordial family asteroids. European Planetary Science Congress.
- [12] Munaibari, E. and 7 colleagues including **Delbo, M.** 2020. Lunar impact flashes: analysis methods. European Planetary Science Congress.
- [13] Ballouz, R.-L. and 19 colleagues including **Delbo, M.** 2020. Craters on (101955) Bennu's boulders. European Planetary Science Congress.
- [14] Ryan, A. and 12 colleagues including **Delbo, M.** 2020. Thermophysical Analysis of Regolith on (101955) Bennu: The Coarse Regolith Conundrum. European Planetary Science Congress.
- [15] Rhoden, A. R., Walsh, K. J., Gattelle, G. M., Avdellidou, C., **Delbo, M.** 2020. On the Origin of the Largest Inner Main Belt D-Type Asteroid. Lunar and Planetary Science Conference.
- [16] Ballouz, R.-L. and 22 colleagues including **Delbo, M.** 2020. Mini-Craters on (101955) Bennu's Boulders: Deriving the Impact Strength of C-Type Objects. Lunar and Planetary Science Conference.
- [17] DellaGiustina, D. N. and 25 colleagues including **Delbo, M.** 2020. Reflectance and Color Heterogeneity on Asteroid Bennu. Lunar and Planetary Science Conference.
- [18] Walsh, K. J. and 14 colleagues including **Delbo, M.** 2020. Likelihood for Rubble-Pile Near-Earth Asteroids to be 1st or Nth Generation: Focus on Bennu and Ryugu. Lunar and Planetary Science Conference.
- [19] Pajola, M. and 22 colleagues including **Delbo, M.** 2020. Surface Density and Size Distribution of Clasts on (101955) Bennu's Boulders: Exposed Clasts or Fallback Material?. Lunar and Planetary Science Conference.
- [20] Sakatani, N. and 48 colleagues including **Delbo, M.** 2020. Thermophysical Property of the Artificial Impact Crater on Asteroid Ryugu. Lunar and Planetary Science Conference.
- [21] Okada, T. and 34 colleagues including **Delbo, M.** 2020. Unveiling Highly-Porous Nature of Primitive Asteroid 162173 Ryugu by Thermal Imager on Hayabusa2. Lunar and Planetary Science Conference.
- [22] Jawin, E. R. and 24 colleagues including **Delbo, M.** 2020. The Geology of (101955) Bennu from the First Year of OSIRIS-REx Observations: Diverse Boulders and Recent Mass Movement. Lunar and Planetary Science Conference.
- [23] Lim, L. F. and 16 colleagues including **Delbo, M.** 2020. Main-Belt Infrared Spectral Analogues for (101955) Bennu: Gaussian Fitting to AKARI Spectra of Bennu-Like Asteroids. Lunar and Planetary Science Conference.
- [24] Pajola, M. and 22 colleagues including **Delbo, M.** 2019. Surface densities and size-frequency distributions of meter-size boulders inside craters on (101955) Bennu. AGU Fall Meeting Abstracts.
- [25] DellaGiustina, D. and 16 colleagues including **Delbo, M.** 2019. Color and albedo heterogeneity of asteroid Bennu and implications for its origin. AGU Fall Meeting Abstracts.
- [26] Clark, B. E. and 27 including **Delbo, M.** colleagues 2019. Overview of the Search for Space Weathering Signals on the Surface of Bennu: One Rock Type, or Two?. LPI Contributions 2189.

- [27] Ballouz, R.-L. and 19 including **Delbo, M.** colleagues 2019. Impact Features on (101955) Bennu's Boulders: Implications for its Dynamical Evolution and Surface History. LPI Contributions 2189.
- [28] Walsh, K. J. and 25 colleagues including **Delbo, M.** 2019. Geology of Bennu Equatorial Ridge. LPI Contributions 2189.
- [29] Lim, L. F. and 15 colleagues including **Delbo, M.** 2019. Main-Belt Infrared Spectral Analogues for (101955) Bennu: AKARI and Spitzer IRS Asteroid Spectra. LPI Contributions 2189.
- [30] Schwartz, S. R. and 21 colleagues including **Delbo, M.** 2019. The Orientations of Boulders on (101955) Bennu's Surface. LPI Contributions 2189.
- [31] Emery, J. P. and 22 colleagues including **Delbo, M.** 2019. Overview of OSIRIS-REx Thermal Observations. LPI Contributions 2189.
- [32] Okada, T., Fukuhara, T., Tanaka, S., Taguchi, M., Arai, T., Sakatani, N., Shimaki, Y., Senshu, H., Demura, H., Ogawa, Y., Suko, K., Sekiguchi, T., Kouyama, T., Helbert, J., Mueller, T. G., Hagermann, A., Biele, J., Grott, M., Hamm, M., Delbo, M. 2019 Thermal Inertia of C-Type Near-Earth Asteroid 162173 Ryugu Determined from the Dawn Side Observations by Thermal Infrared Imager 82nd Annual Meeting of The Meteoritical Society, 2157, 6303-
- [33] Connolly, H. C., Jawin, E. R., Ballouz, R. L., Walsh, K. J., McCoy, T. J., Dellagiustina, D. N., Burke, K., Bierhaus, E. B., Rizk, B., D'Aubigny, C., Hamilton, V. E., Bottke, W. F., Dworkin, J. P., Delbo, M., Tachibana, S., Yurimoto, H., Osiris-Rex Team 2019 OSIRIS-REx Sample Science and the Geology of Active Asteroid Bennu 82nd Annual Meeting of The Meteoritical Society, 2157, 6209-
- [34] Lauretta, D. S., Al Asad, M. M., Ballouz, R. L., Barnouin, O. S., Bierhaus, E. B., Boynton, W. V., Breitenfeld, L. B., Calaway, M. J., Chojnacki, M., Christensen, P. R., Clark, B. E., Connolly, H. C., d'Aubigny, C. D., Daly, M. G., Daly, R. T., Delbo, M., DellaGiustina, D. N., Dworkin, J. P., Emery, J. P., Enos, H. L., Farnocchia, D., Golish, D. R., Haberle, C. W., Hamilton, V. E., Hergenrother, C. W., Jawin, E. R., Kaplan, H. H., Le Corre, L., McCoy, T. J., McMahan, J. W., Michel, P., Molaro, J. L., Nolan, M. C., Pajola, M., Perry, M. E., Reuter, D. C., Rizk, B., Roberts, J. H., Ryan, A., Scheeres, D. J., Schwartz, S. R., Simon, A. A., Susorney, H. C. M., Walsh, K. J., Palmer, E., Zou, X.-D. 2019 OSIRIS-REx Arrives at Asteroid (101955) Bennu: Exploration of a Hydrated Primitive Near-Earth Asteroid Lunar and Planetary Science Conference, 50, 2608-
- [35] Emery, J. P., Rozitis, B., Christensen, P. R., Hamilton, V. E., Simon, A. A., Reuter, D. C., Delbo, M., Lim, L. F., Thomas, C. A., Clark, B. E., Ryan, A., Elder, C. M., Siegler, M. A., Howell, E. S., Nolan, M. C., Lauretta, D. S., Osiris-Rex Team 2019 Thermophysical Properties of (101955) Bennu from OSIRIS-REx Observations Lunar and Planetary Science Conference, 50, 2582-
- [36] Ryan, A. J., Pino-Munoz, D., Bernacki, M., Delbo, M., Emery, J. P., Christensen, P. R., Lauretta, D. S., Osiris-Rex Team 2019 Full-Field Modeling of Heat Transfer in Asteroid Regolith: Thermal Conductivity Results for Mono- and Polydisperse Particulates Lunar and Planetary Science Conference, 50, 2512-
- [37] Walsh, K. J., Jawin, E. R., McCoy, T., Connolly, H. C., Lauretta, D. S., Ballouz, R. L., Barnouin, O. S., Beddingfield, C., Bennet, C. A., Bierhaus, E. B., Burke, K. N., Clark, B., Daly, M. G., Delbo, M., Dellagiustina, D., Dworkin, J. P., Hartzell, C., Marshall, J., Michel, P., Molaro, J. L., Nolan, M., Pajola, M., Perry, M. E., Rizk, B., Sandford, S., Scheeres, D. J., Schwartz, S. R., Trang, D., Osiris-Rex Team 2019 Bennu's Global Geology Lunar and Planetary Science Conference, 50, 1898-
- [38] Sakatani, N., Sugita, S., Honda, R., Morota, T., Yamada, M., Kameda, S., Tatsumi, E., Yokota, Y., Kouyama, T., Suzuki, H., Honda, C., Hayakawa, M., Yoshioka, K., Matsuoka, M., Cho, Y., Sawada, H., Ogawa, N., Miura, A., Okada, T., Tanaka, S., Senshu, H., Arai, T., Demura, H., Suko, K., Shimaki, Y., Sekiguchi, T., Takita, J., Fukuhara, T., Taguchi, M., Mueller, T., Hagermann, A., Biele, J., Grott, M., Delbo, M. 2019 Surface Physical Condition of Asteroid Ryugu Using Close-up Optical and Thermal Images Lunar and Planetary Science Conference, 50, 1732-
- [39] Ballouz, R.-L., Walsh, K. J., Schwartz, S. R., Baresi, N., Barnouin, O. S., Bierhaus, E. B., Connolly, H. C., Crites, S. T., Delbo, M., DellaGiustina, D. N., Jawin, E., Lauretta, D. S., Michel, P., Molaro, J. L.,

- Pajola, M., Richardson, D. C., Scheeres, D. J., Sugita, S., Thuillet, F. 2019 Crater Erasure on Small Bodies: Synthesizing Dynamical Surface Processes in Bennu's Journey to Near-Earth Space Lunar and Planetary Science Conference, 50, 1642-
- [40] Molaro, J. L., Delbo, M., Ballouz, R.-L., Jawin, E., Walsh, K., Pajola, M., McCoy, T. J., Schwartz, S., Elder, C. M., Dellagiustina, D. N., Rizk, B., D'Aubigny, C. D., Lauretta, D. S., Osiris-Rex Team 2019 Fracture Formation Mechanisms on Bennu and Evidence of Thermally Driven Breakdown Lunar and Planetary Science Conference, 50, 1597-
- [41] Jawin, E. R., Walsh, K. J., Barnouin, O. S., McCoy, T. J., Ballouz, R.-L., Molaro, J. L., Delbo, M., Pajola, M., Lauretta, D. S., Nolan, M. C., Burke, K. N., Bennett, C. A., Dellagiustina, D. N., Connolly, H. C., Daly, M. G., Scheeres, D., Susorney, H. C. M., Osiris-Rex Team 2019 The Geology of Bennu's Biggest Boulders Lunar and Planetary Science Conference, 50, 1577-
- [42] Pajola, M., Burke, K., DellaGiustina, D., Lauretta, D., Rizk, B., Bennett, C., Walsh, K., Jawin, E., Delbo, M., Molaro, J. L., Schwartz, S. R., Ballouz, R., Brucato, J. R., Dotto, E., Bierhaus, E. B., Campins, H., Daly, M., Elder, C., Michel, P., Barnouin, O., Nolan, M. C. 2019 Global and Select Regional Size-Frequency Distribution of Boulders on Asteroid (101955) Bennu Lunar and Planetary Science Conference, 50, 1575-
- [43] Delbo, M., Molaro, J. L., Walsh, K. J., Ballouz, R. L., Pajola, M., Jawin, E., Schwartz, S. R., Lauretta, D. S., Barnouin, O. S., Rizk, B., D'Aubigny, C., Bierhaus, B., Sandford, S. A., Connolly, H. C., Osiris-Rex Team 2019 Distribution of Cracked Boulders on (101955) Bennu: Searching for Evidence of Solar-Induced Thermal Stress Lunar and Planetary Science Conference, 50, 1457-
- [44] Okada, T., Fukuhara, T., Tanaka, S., Taguchi, M., Arai, T., Sakatani, N., Shimaki, Y., Senshu, H., Ogawa, Y., Demura, H., Suko, K., Kitazato, K., Kouyama, T., Sekiguchi, T., Takita, J., Hasegawa, S., Matsunaga, T., Wada, T., Imamura, T., Helbert, J., Mueller, T. G., Hagermann, A., Biele, J., Grott, M., Hamm, M., Delbo, M., Yamamoto, Y., Hirata, N., Hirata, N., Terui, F., Saiki, T., Nakazawa, S., Yoshikawa, M., Watanabe, S., Tsuda, Y. 2019 Thermal Imaging of C-Type Near Earth Asteroid 162173 Ryugu by Thermal Infrared Imager TIR on Hayabusa2 Lunar and Planetary Science Conference, 50, 1325-
- [45] Cambioni, S., Delbo, M., Ryan, A. J., Furfaro, R., Asphaug, E. 2019 Constraining the Thermal Properties of Airless Bodies Using Machine Learning Lunar and Planetary Science Conference, 50, 1284-
- [46] Grott, M., Knollenberg, J., Hamm, M., Ogawa, K., Jaumann, R., Otto, K., Matz, K. D., Schmitz, N., Koncz, A., Trauthan, F., Senshu, H., Okada, T., Kührt, E., Biele, J., Neumann, W., Knapmeyer, M., Helbert, J., Maturilli, A., Müller, N., Hagermann, A., Sakatani, N., Tanaka, S., Arai, T., Mottola, S., Pelivan, I., Drube, L., Vincent, J.-B., Delbo, M., Michel, P., Yano, H., Pilonget, C., Schlotterer, M., Krause, C., Ho, T.-M., Moussi-Soffys, A. 2019 In-Situ Determination of Thermal Inertia on Near Earth Asteroid (162173) Ryugu Using MARA - The MASCOT Radiometer Lunar and Planetary Science Conference, 50, 1267-
- [47] Lim, L. F., Barucci, A., Campins, H., Christensen, P., Clark, B. E., Delbo, M., Emery, J. P., Hamilton, V. E., Licandro, J., Lauretta, D. S., Osiris-Rex Team 2019 The Global Thermal Infrared Spectrum of (101955) Bennu in the Context of Spitzer IRS Asteroid Spectra Lunar and Planetary Science Conference, 50, 1124-
- [48] Pajola, M., DellaGiustina, D. N., Bennett, C. A., Burke, K. N., Lauretta, D. S., Rizk, B., Delbo, M., Walsh, K. J., Brucato, J. R., Dotto, E., Bierhaus, B., Campins, H., Daly, M. G., Elder, C. M., Michel, P., Molaro, J., Nolan, M. C., Schwartz, S. R. 2018 The Size-Frequency Distribution of Boulders >10 m on Asteroid 101955 Bennu: landing safety and scientific return. AGU Fall Meeting Abstracts,
- [49] Arai, T., Okada, T., Fukuhara, T., Tanaka, S., Taguchi, M., Senshu, H., Sakatani, N., Shimaki, Y., Demura, H., Ogawa, Y., Suko, K., Kitazato, K., Sekiguchi, T., Kouyama, T., Takita, J., Matsunaga, T., Imamura, T., Wada, T., Hasegawa, S., Helbert, J., Müller, T., Hagermann, A., Biele, J., Hamm, M., Delbo, M. 2018 Local Thermal Properties of Asteroid Ryugu observed with Thermal Infrared Imager onboard Hayabusa2 AGU Fall Meeting Abstracts,
- [50] Lim, L. F., Barucci, M. A., Campins, H., Christensen, P. R., Clark, B., Delbo, M., Emery, J. P., Hamilton, V. E., Lauretta, D. S., Licandro, J. 2018 The Global Thermal Infrared Spectrum of Bennu: Comparison with Spitzer IRS Asteroid Spectra AGU Fall Meeting Abstracts,

- [51] Sakatani, N., Wada, K., Sugita, S., Honda, R., Morota, T., Yamada, M., Kameda, S., Tatsumi, E., Yokota, Y., Kouyama, T., Suzuki, H., Honda, C., Hayakawa, M., Yoshioka, K., Matsuoka, M., Cho, Y., Sawada, H., Ogawa, N., Miura, A., Okada, T., Tanaka, S., Senshu, H., Arai, T., Demura, H., Suko, K., Shimaki, Y., Sekiguchi, T., Takita, J., Müller, T., Hagermann, A., Biele, J., Grott, M., Delbo, M., Terui, F., Nakazawa, S., Saiki, T., Tsuda, Y., Watanabe, S. 2018 Surface grain sizes of the touch down sites revealed by proximity imaging by Hayabusa2 AGU Fall Meeting Abstracts,
- [52] Okada, T., Fukuhara, T., Tanaka, S., Taguchi, M., Arai, T., Senshu, H., Sakatani, N., Shimaki, Y., Demura, H., Ogawa, Y., Kitazato, K., Suko, K., Sekiguchi, T., Kouyama, T., Takita, J., Matsunaga, T., Imamura, T., Wada, T., Hasegawa, S., Helbert, J., Müller, T., Hagermann, A., Biele, J., Grott, M., Hamm, M., Delbo, M., Hirata, N., Yamamoto, Y., Terui, F., Saiki, T., Nakazawa, S., Yoshikawa, M., Watanabe, S., Tsuda, Y. 2018 Thermo-physical properties of asteroid 162173 Ryugu by TIR on Hayabusa2 AGU Fall Meeting Abstracts,
- [53] Emery, J. P., Rozitis, B., Christensen, P. R., Hamilton, V. E., Delbo, M., Lim, L. F., Thomas, C., Clark, B., Ryan, A. J., Elder, C. M., Siegler, M., Howell, E. S., Nolan, M. C., Lauretta, D. S. 2018 Thermophysical Properties of (101955) Bennu from OSIRIS-REx Approach Phase Data AGU Fall Meeting Abstracts,
- [54] Okada, T., Fukuhara, T., Tanaka, S., Taguchi, M., Arai, T., Senshu, H., Sakatani, N., Shimaki, Y., Demura, H., Ogawa, Y., Suko, K., Sekiguchi, T., Kouyama, T., Takita, J., Matsunaga, T., Imamura, T., Wada, T., Hasegawa, S., Helbert, J., Müller, T. G., Hagermann, A., Biele, J., Grott, M., Hamm, M., Delbo, M., Hirata, N., Yamamoto, Y., Terui, F., Saiki, T., Nakazawa, S., Yoshikawa, M., Watanabe, S.-i., Tsuda, Y., Hayabusa2 TIR Team, Hayabusa2 Operation Team, Hayabusa2 Science Team 2018 Thermal Infrared Observations of C-type Asteroid 162173 Ryugu by Hayabusa2 AAS/Division for Planetary Sciences Meeting Abstracts #50, 50, 501.04-
- [55] Crowell, J., Howell, E., Emery, J., Trilling, D., Hergenrother, C., Hora, J., Lim, L. F., Mueller, M., Delbo, M., Harris, A., Barucci, A., Lauretta, D. S. 2018 SHERMAN-Based Thermophysical Model of (101955) Bennu AAS/Division for Planetary Sciences Meeting Abstracts #50, 50, 312.12-
- [56] Delbo, M., Walsh, K., Okada, T., Tanaka, S., Sakatani, N., Senshu, H., Bibring, J.-P. 2018 OSIRIS-REx@Bennu and Hayabusa2@Ryugu: thermal modelling of sample return mission target asteroids European Planetary Science Congress, 12, EPSC2018-330-
- [57] Cellino, A., Tanga, P., Delbo, M., Galluccio, L., Bendjoya, P., de Angeli, F. 2018 Using Gaia spectrophotometric data for the purposes of asteroid taxonomy *Astrometry and Astrophysics in the Gaia Sky*, 330, 399-400
- [58] Ravaji, B., Ali-Lagoa, V., Delbo, M., Wilkerson, J. W. 2018 The Effect of Rotation Period on Thermal Stress Weathering Lunar and Planetary Science Conference, 49, 2628-
- [59] Bolin, B. T., Morbidelli, A., Delbo, M., Walsh, K. J. 2017 Identifying asteroid families >2 Gyrs-old AAS/Division for Planetary Sciences Meeting Abstracts, 49, 208.12-
- [60] Walsh, K. J., Delbo, M., Bolin, B. T., Avdellidou, C., Morbidelli, A. 2017 Beyond the families - the size distribution of non-family asteroids in the inner main belt AAS/Division for Planetary Sciences Meeting Abstracts, 49, 201.03-
- [61] Delbo, M., Walsh, K. J., Bolin, B. T., Avdellidou, C., Morbidelli, A. 2017 A primordial inner Main Belt asteroid family that pre-dates the giant planet instability AAS/Division for Planetary Sciences Meeting Abstracts, 49, 201.02-
- [62] Emery, J., Rozitis, B., Christensen, P. R., Thomas, C. A., Hamilton, V. E., Clark, B. E., Delbo, M., Lim, L. F., Lauretta, D. 2017 Thermophysical Analysis of 101955 Bennu with OSIRIS-REx AAS/Division for Planetary Sciences Meeting Abstracts, 49, 110.02-
- [63] Delbo, M., Galluccio, L., De Angeli, F., Mignard, F., Cellino, A., Tanga, P. 2017 Gaia space mission and asteroid spectroscopy European Planetary Science Congress, 11, EPSC2017-865-

- [Libourel et al.(2017)] Libourel, G., Michel, P., Delbo, M., Ganino, C., Recio-Blanco, A., de Laverny, P., Zolensky, M. E., Krot, A. R. 2017 Search for Primitive Matter in the Solar System Lunar and Planetary Science Conference, 48, 2280-
- [64] El Mir, C., Ramesh, K. T., **Delbo, M.**, Plescia, J. B. 2016 The Contribution of Thermal Fatigue on Lunar Regolith Evolution LPI Contributions, 1960, 5073-
- [65] Hanus, J., **Delbo, M.**, Vokrouhlicky, D., Pravec, P., Emery, J. P., Ali-Lagoa, V., Bolin, B. T., Devogele, M., Dyvig, R., Galad, A., Jedicke, R., Kornos, L., Kusnirak, P., Licandro, J., Reddy, V., Warner, B. D., Rivet, J.-P., Vilagi, J. 2016 Shape, size, physical properties and nature of low-perihelion near-Earth asteroid (3200) Phaethon AAS/Division for Planetary Sciences Meeting Abstracts, 48, 516.08-
- [66] Ali-Lagoa, V., **Delbo, M.**, Hanus, J. 2016 Thermal inertia as an indicator of rockiness variegation on near-Earth asteroid surfaces AAS/Division for Planetary Sciences Meeting Abstracts, 48, 516.01-
- [67] El Mir, C., Hazeli, K., Ramesh, K., **Delbo, M.** 2016 A scaling analysis for thermal fragmentation on small airless bodies AAS/Division for Planetary Sciences Meeting Abstracts, 48, 505.04-
- [68] Bolin, B. T., **Delbo, M.**, Morbidelli, A., Walsh, K. J. 2016 Yarkovsky V-shape identification of asteroid families AAS/Division for Planetary Sciences Meeting Abstracts, 48, 400.04-
- [69] Muinonen, K., Cellino, A., Dell Oro, A., Tanga, P., **Delbo, M.**, Mignard, F., Thuillot, W., Berthier, J., Carry, B., Hestroffer, D., Granvik, M., Fedorets, G. 2016 Asteroid science by Gaia 41st COSPAR Scientific Assembly, 41,
- [70] El Mir, C., Hazeli, K., Ramesh, K. T., **Delbo, M.**, Wilkerson, J. 2016 Thermal Fatigue: Lengthscales, Timescales, and Their Implications on Regolith Size-Frequency Distribution Lunar and Planetary Science Conference, 47, 2586-
- [71] **Delbo, M.**, Ali-Lagoa, V., Wilkerson, J., Libourel, G. 2016 Thermal Fracture of Bennu, Phaethon, and Other Low-Perihelion Asteroids Lunar and Planetary Science Conference, 47, 2203-
- [72] Mazrouei, S., Ali Lagoa, V., **Delbo, M.**, Ghent, R. R., Wilkerson, J. 2016 Does Thermal Fatigue Play a Role in Lunar Regolith Formation? Lunar and Planetary Science Conference, 47, 1785-
- [73] Avdellidou, C., Price, M. C., **Delbo, M.**, Cole, M. J. 2016 The Effect of Target's Porosity on the Fate of the Impactor in Hypervelocity Collisions Lunar and Planetary Science Conference, 47, 1551-
- [74] Ďurech, J., Hanuš, J., Alí-Lagoa, V. M., **Delbo, M.**, Oszkiewicz, D. A. 2016 WISE data and sparse photometry used for shape reconstruction of asteroids Asteroids: New Observations, New Models, 318, 170-176
- [75] Libourel, G., **Delbo, M.**, Wilkerson, J., Ganino, C., Michel, P. 2015 Effects of Solar Heating on Asteroids Space Weathering of Airless Bodies: An Integration of Remote Sensing Data, Laboratory Experiments and Sample Analysis Workshop, 1878, 2005.
- [76] Poulet, F., Lucchetti, A., Bibring, J.-P., Langevin, Y., Carter, J., **Delbo, M.**, Eng, P., Gondet, B., Jorda, L., Le Mouélic, S., Mottola, S., Pilorget, C., Vincendon, M., Cremonese, G. 2015 Using quantitative analysis to understand the current and past physical processes that sculpted the Philae landing site AAS/Division for Planetary Sciences Meeting Abstracts, 47, #500.04
- [77] Mommert, M., Harris, A. W., Mueller, M., Hora, J. L., Trilling, D. E., Knight, M., Bottke, W. F., Thomas, C., **Delbo, M.**, Emery, J. P., Fazio, G., Smith, H. A. 2015 Dormant Comets in the Near-Earth Asteroid Population AAS/Division for Planetary Sciences Meeting Abstracts, 47, #308.04
- [78] Granvik, M., Morbidelli, A., Jedicke, R., Bolin, B., Bottke, W. F., Beshore, E., Vokrouhlicky, D., **Delbo, M.**, Michel, P. 2015 Thermally-driven destruction of asteroids at small perihelion distances AAS/Division for Planetary Sciences Meeting Abstracts, 47, #214.07

- [79] de Leon, J., Pinilla-Alonso, N., Campins, H., Lorenzi, V., Licandro, J., Morate, D., Tanga, P., Cellino, A., **Delbo, M.** 2015 PRIMitive Asteroids Spectroscopic Survey PRIMASS: First Results AAS/Division for Planetary Sciences Meeting Abstracts, 47, #106.09
- [80] Bolin, B. T., **Delbo, M.**, Alí Lagoa, V., Morbidelli, A., Veres, P. 2015 A new method to identify asteroid families older than 2 Ga IAU General Assembly, 22, #2257781
- [81] **Delbo, M.** A brief historical perspective of the development of thermal/thermophysical modelling. 2015. Thermal Models for Planetary Sciences II. Puerto de la Cruz, Tenerife, Spain, 3–5 June, 2015.
- [82] J. Hanus, **Delbo, M.** Ali-Lagoa, V., Effects of shape uncertainties in thermal modeling and revised WISE uncertainties. 2015. Thermal Models for Planetary Sciences II. Puerto de la Cruz, Tenerife, Spain, 3–5 June, 2015.
- [83] V. Ali-Lagoa, **Delbo, M.**, G. Libourel. Thermal effects in comet nuclei. The effects of thermal cracking. 2015. Thermal Models for Planetary Sciences II. Puerto de la Cruz, Tenerife, Spain, 3–5 June, 2015.
- [84] **M. Delbo** Libourel, G., Wilkerson, J., Murdoch, N., Ramesh, K.T., Ganino, C., Michel, P., C. Verati, S. Marchi. 2015. Thermal Cracking of surfaces of airless bodies: new experiments. 2015. Thermal Models for Planetary Sciences II. Puerto de la Cruz, Tenerife, Spain, 3–5 June, 2015.
- [85] Durech, J., Hanus, J., **Delbo, M.**, Ali-Lagoa, V., Carry, B. 2015. Thermal Models for Planetary Sciences II. Puerto de la Cruz, Tenerife, Spain, 3–5 June, 2015.
- [86] Hazeli, K., Wilkerson, J., El Mir, C., **Delbo, M.**, Ramesh, K. T. 2015 Regolith Formation on Airless Bodies Lunar and Planetary Science Conference, 46, 1618.
- [87] **Delbo, M.** Asteroid regolith formation: impacts vs thermal fatigue fragmentation. 2015. Stardust ITN Local training workshop: Collisions in the Solar system. 11-13 February 2015, Belgrade, Serbia.
- [88] Michel, P., **Delbo, M.**, Libourel, G., Ganino, C., Verati, C., Rémy, B. 2015 Temperature shocks at the origin of regolith on asteroids Highlights of Astronomy, 16, 162-162.
- [89] Matter, A., **Delbo, M.**, Carry, B., Tanga, P. 2014 Observation of asteroids with GRAVITY - Physical characterization of binary systems SF2A-2014: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics, 139-143.
- [90] Durech, J., Hanus, J., **Delbo, M.**, Ali-Lagoa, V., Carry, B. 2014 Physical properties of asteroids derived from a novel approach to modeling of optical lightcurves and WISE thermalinfrared data AAS/Division for Planetary Sciences Meeting Abstracts, 46, #509.11.
- [91] Hanus, J., **Delbo, M.**, Durech, J., Alí-Lagoa, V. 2014 Thermal Inertias of Main-Belt Asteroids from Wise Thermal Infrared Data AAS/Division for Planetary Sciences Meeting Abstracts, 46, #509.05.
- [92] Bottke, W., Vokrouhlicky, D., Walsh, K., **Delbo, M.**, Michel, P., Lauretta, D. S., Campins, H., Connolly, H. C., Scheeres, D., Chesley, S. 2014 In Search of the Source of Bennu, the OSIRIS-REx Sample Return Mission Target AAS/Division for Planetary Sciences Meeting Abstracts, 46, #400.05.
- [93] Hergenrother, C. W., Hill, D. H., Spitz, A., Barucci, M. A., Binzel, R. P., Beshore, E., Bottke, W., Brucato, J. R., Clark, B. E., Cloutis, E., Connolly, H. C., **Delbo, M.**, Dotto, E., Ieva, S., Licandro, J., Nolan, M. C., Perna, D., Sandford, S. A., Takir, D., Lauretta, D. S. 2014 Crowd-sourcing Near-Earth Asteroid Science with the OSIRIS-REx Target Asteroids! Program AAS/Division for Planetary Sciences Meeting Abstracts, 46, #213.04.
- [94] Asphaug, E., Belton, M., Bockelee-Morvan, D., Chesley, S., **Delbo, M.**, Farnham, T., Gim, Y., Grimm, R., Herique, A., Kofman, W., Oberst, J., Orosei, R., Piqueux, S., Plaut, J., Robinson, M., Sava, P., Heggy, E., Kurth, W., Scheeres, D., Denevi, B., Turtle, E., Weissman, P. 2014 The Comet Radar Explorer Mission AAS/Division for Planetary Sciences Meeting Abstracts, 46, #209.07.

- [95] Libourel, G., **Delbo, M.**, Wilkerson, J., Murdoch, N., Michel, P., Ramesch, K. T., Ganino, C., Verati, C., Marchi, S. 2014 Thermal Fatigue as the Origin of Regolith on Small Asteroids 77th Annual Meeting of the Meteoritical Society, 1800, 5083.
- [96] **Delbo, M.**, Tanga, P., Van Belle, G., Matter, A., Carry, B., Creech-Eakman, M. J. 2014 Long Baseline Interferometric Observations of Asteroids: Physical Characterization of Binary Systems Resolving The Future Of Astronomy With Long-Baseline Interferometry, 487, 217.
- [97] Walsh, K., **Delbo, M.**, DeMeo, F. 2014 Seeking diversity in the spectra of the Polana and Eulalia families Asteroids, Comets, Meteors 2014.
- [98] Murdoch, N., **Delbo, M.**, Libourel, G., Wilkerson, J., Michel, P., Ramesh, K., Ganino, C., Verati, C., Marchi, S. 2014 Regolith production on asteroid surfaces via thermal fatigue fragmentation Asteroids, Comets, Meteors 2014.
- [99] Jacobson, S., Campins, H., **Delbo, M.**, Michel, P., Tanga, P., Hanuš, J., Morbidelli, A. 2014 Using asteroid families to test planetesimal differentiation hypotheses Asteroids, Comets, Meteors 2014.
- [100] Hanuš, J., **Delbo, M.**, Durech, J., Alí-Lagoa, V. 2014 Thermophysical modeling of main-belt asteroids from WISE data Asteroids, Comets, Meteors 2014.
- [101] Granvik, M., Morbidelli, A., Jedicke, R., Bottke, W., Bolin, B., Beshore, E., **Delbo, M.**, Vokrouhlicky, D., Penttilä, A., Nesvorný, D., Michel, P. 2014 Unbiased dynamical and physical characteristics of the near-Earth-object population Asteroids, Comets, Meteors 2014.
- [102] Devogèle, M., Hanus, J., Tanga, P., Rivet, J., Cellino, A., Hickson, P., **Delbo, M.**, Surdej, J., Bendjoya, P., Abe, L., Suarez, O. 2014 Peculiar polarization and shape properties of Barbarian asteroids: A campaign for their physical characterization Asteroids, Comets, Meteors 2014.
- [103] **Delbo, M.**, Libourel, G., Wilkerson, J., Murdoch, N., Michel, P., Ramesh, K., Ganino, C., Verati, C., Marchi, S. 2014 Effects of solar heating on asteroids Asteroids, Comets, Meteors 2014.
- [104] Cellino, A., Bagnulo, S., Tanga, P., Novakovic, B., **Delbo, M.** 2014 Barbarians in the Watsonia family: Interpretation and open problems Asteroids, Comets, Meteors 2014.
- [105] Ali-Lagoa, V., Licandro, J., **Delbo, M.**, Gil-Hutton, R., Cañada-Assandri, M., de Leon, J., Pinilla-Alonso, N., Campins, H. 2014 Physical properties of small B-type asteroids from SDSS and WISE data Asteroids, Comets, Meteors 2014.
- [106] **Delbo, M.** Thermal properties of carbonaceous chondrite like asteroids. 2014. Carbonaceous chondrites: their parent bodies and their link with primitive asteroids Villefranche sur Mer, France, June 2-4, 2014
- [107] Ganino, C., Libourel, G., **Delbo, M.**, Michel, P. 2014 Reappraisal of Metasomatic Process Conditions of Allende CV3 Chondrite Using Thermodynamic and Schreinemakers Analyses Lunar and Planetary Science Conference, 45, 2749.
- [108] Trilling, D. E., Hora, J., Burt, B., **Delbo, M.**, Emery, J., Fazio, G., Fuentes, C., Harris, A., Mueller, M., Mommert, M., Smith, H. 2013 The Size Distribution of Very Small Near Earth Objects As Measured by Warm Spitzer AAS/Division for Planetary Sciences Meeting Abstracts, 45, #304.02
- [109] Mueller, M., Emery, J., Rivkin, A., Trilling, D., Hora, J., **Delbo, M.**, Sugita, S., Hasegawa, S., Ishiguro, M., Choi, Y., Mommert, M. 2013 Thermal Lightcurves of 1999 JU3, Target of Hayabusa 2, Using Warm Spitzer AAS/Division for Planetary Sciences Meeting Abstracts, 45, #304.01
- [110] Tanga, P., **Delbo, M.**, Gerakis, J. 2013 MP3C - the Minor Planet Physical Properties Catalogue: a New VO Service For Multi-database Query AAS/Division for Planetary Sciences Meeting Abstracts, 45, #208.29

- [111] Ali-Lagoa, V., Licandro, J., **Delbo, M.**, Pinilla-Alonso, N., Emery, J. P., Campins, H., de León, J. 2013 Combining visible-to-near-infrared spectra and WISE data of Hildas and Jupiter Trojans: preliminary results AAS/Division for Planetary Sciences Meeting Abstracts, 45, #205.08
- [112] Thomas, C. A., Emery, J. P., Trilling, D. E., **Delbo, M.**, Hora, J. L., Mueller, M. 2013 Near-Infrared Spectroscopy of Warm Spitzer-observed Near-Earth Objects AAS/Division for Planetary Sciences Meeting Abstracts, 45, #205.07
- [113] **Delbo, M.**, Matter, A., Gundlach, B., Blum, J. 2013 On the metal-rich surfaces of (16) Psyche and other M-type asteroids from interferometric observations in the thermal infrared AAS/Division for Planetary Sciences Meeting Abstracts, 45, #205.03
- [114] Comfort, C., Campins, H., de Leon, J., Morbidelli, A., Licandro, J., Gayon-Markt, J., **Delbo, M.**, Michel, P. 2013 The Origin of Asteroid 162173 (1999 JU3) AAS/Division for Planetary Sciences Meeting Abstracts, 45, #112.10
- [115] Bottke, W., Vokrouhlicky, D., Nesvorny, D., Walsh, K., **Delbo, M.**, Lauretta, D., Connolly, H., OSIRIS-REx Team 2013 The Unusual Evolution of Billion-Year Old Asteroid Families by the Yarkovsky and YORP Effects AAS/Division for Planetary Sciences Meeting Abstracts, 45, #106.06
- [116] Walsh, K. J., **Delbo, M.**, Bottke, W. F., Vokrouhlicky, D., Lauretta, D. S. 2013 Introducing the Eulalia and New Polana Families: Re-Assesing Primitive Asteroid Families in the Inner Main-Belt Lunar and Planetary Science Conference, 44, 2835.
- [117] Walsh, K. J., **Delbo, M.**, Bottke, W. F. 2012 New Findings on Primitive Asteroid Families in the Inner Asteroid Belt: An Important Source of Primitive NEOs AAS/Division for Planetary Sciences Meeting Abstracts, 44, #305.04
- [118] Mommert, M., Harris, A. W., Trilling, D. E., Mueller, M., Hora, J. L., **Delbo, M.**, Bottke, W. F., Emery, J. P., Fazio, G., Hagen, A. R., Morbidelli, A., Smith, H. A., Thomas, C. A. 2012 ExploreNEOs: A Search for Near-Earth Objects of Cometary Origin AAS/Division for Planetary Sciences Meeting Abstracts, 44, #302.03
- [119] **Delbo, M.**, Nesvorny, D., Licandro, J., Ali-Lagoa, V. 2012 New Analysis Of The Baptistina Asteroid Family: Implications For Its Link With The K/t Impactor AAS/Division for Planetary Sciences Meeting Abstracts, 44, #202.01
- [120] **Delbo, M.**, Walsh, K. 2012 Where do the primitive NEOs come from? A new asteroid family may be a primary source European Planetary Science Congress 2012, 622.
- [121] Murdoch, N., **Delbo, M.**, Libourel, G., Ganino, C., Michel, P., Verati, C. 2012 Regolith formation on asteroids via thermal fatigue European Planetary Science Congress 2012, 581.
- [122] Maurin, A.-S., Selsis, F., Hersant, F., Belu, A., Raymond, S. N., Leconte, J., **Delbo, M.** 2012 Characterizing Super-Mercuries by their infrared orbital photometry European Planetary Science Congress 2012, 500.
- [123] Alí-Lagoa, V., Licandro, J., de León, J., **Delbo, M.**, Pinilla-Alonso, N., Campins, H. 2012 B-type asteroids observed by the Wide-field Infrared Survey Explorer European Planetary Science Congress 2012, 227.
- [124] Groussin, O., Brageot, E., Reynaud, J.-L., Lamy, P., Jorda, L., Licandro, J., Helbert, J., Knollenberg, J., Kührt, E., **Delbo, M.** 2012 THERMAP : a mid-infrared spectro-imager for the Marco Polo R mission European Planetary Science Congress 2012, 48.
- [125] Trilling, D. E., Hora, J. L., Mueller, M., Thomas, C. A., Harris, A. W., Hagen, A. R., Mommert, M., Benner, L., Bhattacharya, B., Bottke, W. F., Chesley, S., **Delbo, M.**, Emery, J. P., Fazio, G., Kistler, J. L., Mainzer, A., Morbidelli, A., Penprase, B., Smith, H. A., Spahr, T. B., Stansberry, J. A. 2012 ExploreNEOs: The Warm Spitzer Near Earth Object Survey LPI Contributions, 1667, 6485.
- [126] Thomas, C. A., Emery, J. P., Trilling, D. E., **Delbo, M.**, Hora, J. L., Mueller, M. 2012 Physical Characterization of Warm Spitzer Observed Near-Earth Objects LPI Contributions, 1667, 6466.

- [127] Campins, H., de León, J., Morbidelli, A., Licandro, J., Gayon, J., **Delbo, M.**, Michel, P. 2012 The Origin of Asteroid 162173 (1999 JU3). LPI Contributions, 1667, 6452.
- [128] Tanga, P., Hestroffer, D., Berthier, J., Cellino, A., **Delbo, M.**, DellOro, A., Mignard, F., Muinonen, K., Pauwells, T., Petit, J. M., Thuillot, W., DPAC-CU4-SSO Team 2012 Gaia Observations of Solar System Bodies LPI Contributions, 1667, 6283.
- [129] Durech, J., **Delbo, M.**, Carry, B. 2012 Asteroid Models Derived from Thermal Infrared Data and Optical Lightcurves LPI Contributions, 1667, 6118.
- [130] Vernazza, P., **Delbo, M.**, King, P. L., Izawa, M. R. M., Olofsson, J., Lamy, P., Cipriani, F., Binzel, R. P., Marchis, F., Merin, B., Tamanai, A. 2012 High Surface Porosity as the Origin of Emissivity Features in Asteroid Spectra LPI Contributions, 1667, 6049.
- [131] **Delbo, M.**, Libourel, G., Michel, P., Ganino, C., Verati, C. 2012 Temperature Shocks at the Origin of Regolith on Asteroids Lunar and Planetary Science Conference, 43, 1776.
- [132] Maurin, A.-S., Selsis, F., Hersant, F., **Delbo, M.** 2011 Characterization of rocky exoplanets from their infrared phase curve IAU Symposium, 276, 485-486.
- [133] Thomas, C. A., Trilling, D. E., Emery, J. P., Mueller, M., Hora, J. L., Benner, L. A. M., Bhattacharya, B., Bottke, W. F., Chesley, S., **Delbo, M.**, Fazio, G., Harris, A. W., Mainzer, A., Mommert, M., Morbidelli, A., Penprase, B., Smith, H. A., Spahr, T. B., Stansberry, J. A. 2011 ExploreNEOs: Average albedo by taxonomic complex in the near-Earth asteroid population EPSC-DPS Joint Meeting 2011, 1531.
- [134] Maurin, A.-S., Selsis, F., Hersant, F., Raymond, S. N., Leconte, J., **Delbo, M.** 2011 Effects of tides on the infrared light curve of rocky exoplanets EPSC-DPS Joint Meeting 2011, 1351.
- [135] Gayon-Markt, J., **Delbo, M.**, Morbidelli, A., Marchi, S., Galluccio, L., Ordenovic, C. 2011 On the origin of the Almahata Sitta meteorite and asteroid 2008TC3 EPSC-DPS Joint Meeting 2011, 915.
- [136] Mueller, M., Trilling, D. E., Hora, J. L., Harris, A. W., Benner, L. A. M., Bhattacharya, B., Bottke, W. F., Chesley, S., **Delbo, M.**, Emery, J. P., Fazio, G., Hagen, A. R., Kistler, J. L., Mainzer, A., Mommert, M., Morbidelli, A., Penprase, B., Smith, H. A., Spahr, T. B., Stansberry, J. A., Thomas, C. A. 2011 ExploreNEOs: The Warm Spitzer Near Earth Object survey EPSC-DPS Joint Meeting 2011, 839.
- [137] **Delbo, M.**, Libourel, G., Ganino, C., Michel, P., Marchi, S., Verati, C. 2011 Temperature shocks at the origin of regolith on asteroids EPSC-DPS Joint Meeting 2011, 552.
- [138] Ziffer, J., Campins, H., Licandro, J., Kelley, M. S., Fernandez, Y. R., **Delbo, M.**, Hargrove, K., Alí-Lagoa, V. 2011 WISE Observations of Primitive Asteroid Families Bulletin of the American Astronomical Society, #405.03
- [139] Masiero, J., Mainzer, A. K., Grav, T., Bauer, J. M., Cutri, R., Dailey, J., **Delbo, M.**, McMillan, R. S., Mueller, M., Walker, R. G., Wright, E. L. 2011 WISE results for the Main Belt Asteroids Lunar and Planetary Science Conference, 42, 1304.
- [140] Michel, P., **Delbo, M.** 2011 Past Thermal and Orbital Histories of 1999JU3 and 1999RQ36: Two Potential Targets of Sample Return Space Missions to a Primitive Asteroid Lunar and Planetary Science Conference, 42, 1234.
- [141] Mueller, M., **M. Delbo**, D. E. Trilling, B. Bhattacharya, W. F. Bottke, S. Chesley, J. P. Emery, G. G. Fazio, A. W. Harris, J. L. Hora, A. Mainzer, M. Mommert, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas 2010. ExploreNEOs III: Size, Albedo, And Thermal History Of 58+ Low-deltaV NEOs. Bulletin of the American Astronomical Society 42, 1081.
- [142] Harris, A. W., M. Mommert, J. L. Hora, M. Mueller, D. E. Trilling, B. Bhattacharya, W. F. Bottke, S. Chesley, **M. Delbo**, J. P. Emery, G. G. Fazio, A. Mainzer, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas 2010. The Accuracy of the Warm Spitzer Near-Earth Object Survey. Bulletin of the American Astronomical Society 42, 1081.

- [143] Trilling, D. E., M. Mueller, J. L. Hora, A. W. Harris, B. Bhattacharya, W. F. Bottke, S. Chesley, **M. Delbo**, J. P. Emery, G. Fazio, A. Mainzer, M. Mommert, B. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas 2010. ExploreNEOs: Status and Results from the Warm Spitzer NEO Survey. *Bulletin of the American Astronomical Society* 42, 1081.
- [144] Masiero, J. R., A. K. Mainzer, J. Bauer, R. Cutri, J. Dailey, **M. Delbo**, T. Grav, R. S. McMillan, M. Mueller, R. Walker, E. Wright, and WISE Science Team 2010. WISE Albedos for Tens of Thousands of Main Belt Asteroids. *Bulletin of the American Astronomical Society* 42, 1072.
- [145] Mottola, S., M. Di Martino, A. Erikson, M. Gonano-Beurer, A. Carbognani, U. Carsenty, G. Hahn, H. Schober, F. Lahulla, **M. Delbo**, and C. Lagerkvist 2010. The Jupiter Trojans Photometric Survey: Lightcurves of 80 Objects. *AAS/Division for Planetary Sciences Meeting Abstracts #42* 42, #39.36.
- [146] Petersen, E., C. Thomas, D. Trilling, J. Emery, **M. Delbo**, M. Mueller, and R. Dave 2010. Taxonomic Classification of Asteroids via Broadband Near-Infrared Photometry. *Bulletin of the American Astronomical Society* 42, 1036.
- [147] Dave, R., J. Emery, D. Cruikshank, M. Mueller, **M. Delbo**, D. E. Trilling, and M. Mommert 2010. Thermal Emission Spectroscopy (5.2 To 38 Microns) And Analysis Of 10 Near-earth Asteroids. *Bulletin of the American Astronomical Society* 42, 1057.
- [148] **Delbo, M.** and P. Michel 2010. The Temperature History of (101955) 1999 RQ36 and other Potential Targets of Sample Return Missions to Primitive Asteroids. *Bulletin of the American Astronomical Society* 42, 1057.
- [149] Emery, J. P., C. A. Thomas, D. E. Trilling, R. Dave, **M. Delbo**, and M. Mueller 2010. Near-infrared Spectroscopy Of NEOs: Characterization Of Targets Of The ExploreNEOs (Spitzer) Program. *Bulletin of the American Astronomical Society* 42, 1056.
- [150] Cellino, A., I. Belskaya, **M. Delbo**, A.-C. Levasseur-Regourd, K. Muinonen, A. Penttilä, and E. F. Tedesco 2010. A new three-parameter H,G1,G2 magnitude phase function for asteroids. *Electromagnetic and Light Scattering XII, Proceedings of the 12th conference held in Helsinki, June 28 - July 2, 2010*. Edited by Karri Muinonen et al.. Helsinki: Helsinki University Print, 2010, p.22 22.
- [151] Masiero, J., A. Mainzer, T. Grav, **M. Delbo**, M. Mueller, and Wise Team 2010. The WISE Survey of the Albedo Distribution of Main Belt Asteroids. *Lunar and Planetary Institute Science Conference Abstracts* 41, 1283.
- [152] Bhattacharya, B., D. E. Trilling, W. F. Bottke, S. R. Chesley, **M. Delbo**, J. P. Emery, G. G. Fazio, A. R. Hagen, A. W. Harris, J. Hora, A. K. Mainzer, M. Mueller, B. E. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas 2010. A Ground-Based Observing Program in Support of the Warm Spitzer NEO Project. *Bulletin of the American Astronomical Society* 42, #334.04.
- [153] Hora, J. L., D. E. Trilling, C. A. Thomas, J. A. Stansberry, T. B. Spahr, H. A. Smith, B. E. Penprase, M. Mueller, A. K. Mainzer, A. W. Harris, G. G. Fazio, J. P. Emery, **M. Delbo**, S. R. Chesley, W. F. Bottke, and B. Bhattacharya 2010. The Warm Spitzer NEO Survey: Exploring The History of the Inner Solar System and Near Earth Space. *Bulletin of the American Astronomical Society* 42, #334.03.
- [154] Trigo-Rodriguez, J. M., **M. Delbo**, and J. Blum 2009. On the importance of short-perihelion approaches in the surface thermal processing of NEOs. *European Planetary Science Congress 2009*, 520.
- [155] Thomas, C. A., D. Trilling, B. Penprase, J. Emery, J. Hora, M. Mueller, **M. Delbo**, C. Fitzgerald, A. Hagen, D. Hickey, V. Reddy, B. Bhattacharya, W. Bottke, S. Chesley, G. Fazio, A. Harris, A. Mainzer, H. Smith, T. Spahr, and J. Stansberry 2009. A Comprehensive Ground-based Observing Campaign for Spitzer-observed NEOs. *AAS/Division for Planetary Sciences Meeting Abstracts #41* 41, #43.03.
- [156] Trilling, D. E., B. Bhattacharya, W. F. Bottke, S. R. Chesley, **M. Delbo**, J. P. Emery, G. G. Fazio, A. W. Harris, J. L. Hora, A. K. Mainzer, M. Mueller, B. E. Penprase, H. A. Smith, T. B. Spahr, J. A. Stansberry, and C. A. Thomas 2009. ExploreNEOs: The Warm Spitzer NEO survey. *AAS/Division for Planetary Sciences Meeting Abstracts #41* 41, #43.02.

- [157] **Delbo, M.**, S. Marchi, A. Morbidelli, G. Libourel, and H. Campins 2009. Radiative Heating And Temperature Stress at the Surfaces of Near-Earth Objects as Source of Surface Metamorphisms. AAS/Division for Planetary Sciences Meeting Abstracts #41 41, #32.02.
- [158] Trilling, D. E., S. Jones, B. Penprase, J. Emery, A. Harris, T. Spahr, and **M. Delbo** 2009. Visible photometry of NEOs in support of a Warm Spitzer program. NOAO Proposal ID #2009B-0501 501.
- [159] Trilling, D. E., B. Bhattacharya, W. Bottke, S. Chesley, **M. Delbo**, J. Emery, G. Fazio, A. Harris, J. Hora, A. Mainzer, M. Mueller, B. Penprase, H. Smith, T. Spahr, and J. Stansberry 2009. The Warm Spitzer NEO Survey: Exploring the History of the Inner Solar System and Near Earth Space. American Astronomical Society Meeting Abstracts #214 214, #210.05.
- [160] Richichi, A., O. Fors, E. Mason, **M. Delbo**, J. Stegmaier, and G. Finger 2009. Life on the Fast Lane: The Burst Mode at the VLT at Present and in the Future. Science with the VLT in the ELT Era 455.
- [161] Wolf, S., and 35 colleagues 2009. MATISSE Science Cases. Science with the VLT in the ELT Era 359.
- [162] Lopez, B., and 60 colleagues 2009. Matisse. Science with the VLT in the ELT Era 353.
- [163] Hestroffer, D., W. Thuillot, S. Mouret, F. Colas, P. Tanga, F. Mignard, **M. Delbo**, and B. Carry 2008. Ground-based observations of solar system bodies in complement to Gaia.. SF2A-2008 21.
- [164] **Delbo, M.**, K. Walsh, and M. Mueller 2008. The Cool Surfaces of Binaries Near-Earth Asteroids. Bulletin of the American Astronomical Society 40, 433.
- [165] Loreggia, D., **M. Delbo**, M. Gai, M. G. Lattanzi, S. Ligorì, L. Saba, M. Wittkowski, and A. Cellino 2008. Observation of Asteroids with the VLTI. The Power of Optical/IR Interferometry: Recent Scientific Results and 2nd Generation 565.
- [166] Maris, M., D. Hestroffer, **M. Delbo**, M. Mueller, W. Grundy, J. Stansberry, G. P. Tozzi, P. Tanga, and W. Thuillot 2008. Post eclipse thermal response of Uranian satellites with SINFONI: a status report .. Memorie della Societa Astronomica Italiana Supplementi 12, 34.
- [167] Berthier, J., D. Hestroffer, B. Carry, J. Durech, P. Tanga, **M. Delbo**, and F. Vachier 2008. A Service of Position and Physical Ephemerides Computation Dedicated to the Small Bodies of the Solar System. LPI Contributions 1405, 8374.
- [168] Muinonen, K., A. Cellino, I. Belskaya, **M. Delbo**, A.-C. Levasseur-Regourd, and E. F. Tedesco 2008. Inversion of Asteroid Phase Curves for Empirical Magnitude and Polarization Systems. LPI Contributions 1405, 8263.
- [169] Tanga, P., A. Cellino, **M. Delbo**, D. Hestroffer, F. Mignard, S. Mouret, and W. Thuillot 2008. Solar System data mining for Gaia and ground-based observational support. 37th COSPAR Scientific Assembly 37, 3146.
- [170] Cellino, A., A. Dell Oro, P. Tanga, and **M. Delbo** 2008. The determination of asteroid physical properties from Gaia observations. 37th COSPAR Scientific Assembly 37, 477.
- [171] Richichi, A., O. Fors, E. Mason, **M. Delbo**, J. Stegmaier, and G. Finger 2007. Life on the fast lane: the burst mode at the VLT at present and in the future. arXiv:0712.1179.
- [172] Tanga, P. and **M. Delbo** 2007. Asteroid Size Harvest: A Bright Future For Star Occultations. Bulletin of the American Astronomical Society 38, 483.
- [173] **Delbo, M.** and S. Ligorì 2007. First Interferometric Observations of Asteroids with the VLTI*. Bulletin of the American Astronomical Society 38, 469.
- [174] Cellino, A., **M. Delbo**, and E. F. Tedesco 2007. Albedo and size of (99942) Apophis from polarimetric observations?. IAU Symposium 236, 451-454.
- [175] **Delbo, M.**, A. Dell'Oro, A. W. Harris, S. Mottola, and M. Mueller 2006. Thermal Inertia of near-Earth Asteroids and Strength of the Yarkovsky Effect. Bulletin of the American Astronomical Society 38, 581.

- [176] Di Martino, M., **M. Delbo**, L. Saba, A. Cellino, V. Zappalà, S. Montebugnoli, S. Righini, L. Zoni, R. Orosei, and F. Tosi 2006. The SRT as radar for asteroid and space debris studies. *Memorie della Societa Astronomica Italiana Supplementi* 10, 180.
- [177] Cellino, A., **M. Delbo**, and E. F. Tedesco 2006. Albedo and size determination of (99942) Apophis from polarimetric observations*. *European Planetary Science Congress 2006* 537.
- [178] **Delbo, M.**, A. Dell’Oro, A. W. Harris, S. Mottola, and M. Mueller 2006. Thermal inertia of near-Earth asteroids and magnitude of the Yarkovsky effect. *European Planetary Science Congress 2006* 177.
- [179] **Delbo, M.** and S. Ligori 2006. First VLTI observations of asteroids. *European Planetary Science Congress 2006* 165.
- [180] **Delbo, M.** and P. Tanga 2006. The future of asteroid occultations: the post-GAIA era. *European Planetary Science Congress 2006* 147.
- [181] Tedesco, E. F., W. F. Bottke, S. J. Bus, E. Volquardsen, A. Cellino, **M. Delbo**, D. R. Davis, A. Morbidelli, J. L. Hora, J. D. Adams, and M. Kassis 2005. Albedo Distributions of Near-Earth and Intermediate Source Region Asteroids. *Bulletin of the American Astronomical Society* 37, 643.
- [182] Granvik, M., J. Virtanen, K. Muinonen, L. Allen, V. Meadows, B. Bhattacharya, **M. Delbo**, A. Cellino, E. Tedesco, D. Davis, and J. D. Giorgini 2005. Linkages and Orbital Accuracies Obtained for Asteroids Observed in the Spitzer First Look Survey Ecliptic Plane Component and the Ground-based Follow-up Program. *Bulletin of the American Astronomical Society* 37, 636.
- [183] Harris, A. W., M. Mueller, **M. Delbo**, and S. J. Bus 2005. Peculiar Betulia Re-visited: A Near-Earth Asteroid with a Bare-Rock Surface?. *Bulletin of the American Astronomical Society* 37, 628.
- [184] Mueller, M., A. W. Harris, **M. Delbo**, and MIRSI Team 2005. 21 Lutetia and other M-types: Their sizes, albedos, and thermal properties from new IRTF measurements. *Bulletin of the American Astronomical Society* 37, 627.
- [185] Granvik, M., K. Muinonen, J. Virtanen, **M. Delbo**, L. Saba, G. de Sanctis, R. Morbidelli, A. Cellino, and E. Tedesco 2005. Linking Very Large Telescope asteroid observations. *IAU Colloq. 197: Dynamics of Populations of Planetary Systems* 231-238.
- [186] Cellino, A., **M. Delbo**, A. dell’Oro, and V. Zappalá 2005. Gaia Observations of Asteroids: Sizes, Taxonomy, Shapes and Spin Properties. *The Three-Dimensional Universe with Gaia* 576, 231.
- [187] Tozzi, G. P. and **M. Delbo** 2005. Organic Solids in Comets: the examples of C/2000 WM.1 (LINEAR) and C/2001 Q.4 (NEAT) .. *Memorie della Societa Astronomica Italiana Supplementi* 6, 157.
- [188] **Delbo, M.**, M. Gai, M. G. Lattanzi, D. Loreggia, L. Saba, and A. Cellino 2005. Observing Asteroids with the VLTI .. *Memorie della Societa Astronomica Italiana Supplementi* 6, 133.
- [189] Saba, L., Di Martino M., **M. Delbo**, A. Cellino, ZappalàV., S. Montebugnoli, S. Righini, L. Zoni, R. Orosei, F. Tosi, G. Valsecchi, A. Gardini, D. Grassi, Rossi, A., A. Milani, and M. Lazzarin 2005. The Sardinian Radio Telescope as Radar for the study of near-Earth Objects and Space Debris. *Memorie della Societa Astronomica Italiana Supplementi* 6, 104.
- [190] Cellino, A., **M. Delbo**, V. Zappala’, and A. dell’Oro 2004. Asteroid rotational properties from GAIA photometry. *35th COSPAR Scientific Assembly* 35, 2212.
- [191] Mueller, M., A. W. Harris, **M. Delbo**, and S. J. Bus 2003. The Sizes and Albedos of Near-Earth Asteroids, Including 6489 Golevka, from Recent IRTF Observations. *Bulletin of the American Astronomical Society* 35, 955.
- [192] Harris, A. W., **M. Delbo**, and R. P. Binzel 2003. The Physical Characterization of Near-Earth Asteroids: Latest Results of a Program of Thermal-Infrared Observations. *Bulletin of the American Astronomical Society* 35, 955.

- [193] **Delbo, M.** and S. Mottola 2002. A new method to estimate the size and the surface temperature distribution of asteroids. *Asteroids, Comets, and Meteors: ACM 2002 500*, 895-898.
- [194] **Delbo, M.**, A. W. Harris, R. Binzel, M. di Martino, J. K. Davies, and P. Pravec 2002. Surveying near-Earth asteroids in the thermal infrared. *Asteroids, Comets, and Meteors: ACM 2002 500*, 891-894.
- [195] Zaitsev, A. L., M. di Martino, A. A. Konovalenko, S. Montebugnoli, S. P. Ignatov, Y. F. Kolyuka, A. S. Nabatov, I. S. Falkovich, A. L. Gavrik, Y. A. Gavrik, C. Bortolotti, A. Cattani, A. Maccaferri, G. Maccaferri, M. Roma, **M. Delbo**, L. Saba, T. Afanas'eva, T. Gridshina, and S. Righini 2002. Radar detection of NEA 33342 (1998 WT24) with Evpatoria – Medicina system at 6 cm. *Asteroids, Comets, and Meteors: ACM 2002 500*, 883-886.
- [196] Tozzi, G. P., H. Boehnhardt, H. Campins, **M. Delbo**, M. di Martino, L. Kolokolova, L. M. Lara Lopez, J. Licandro, R. Schulz, and T. Sekiguchi 2002. Multiband observations of the comet C/2000 WM1 (LINEAR) at its closest approach to the Earth. *Asteroids, Comets, and Meteors: ACM 2002 500*, 593-596.
- [197] Binzel, R. P., J. S. Stuart, A. S. Rivkin, **M. Delbo**, A. W. Harris, A. W. Harris, and S. J. Bus 2002. Exploring the Comet Component Within the Near-Earth Object Population. *Bulletin of the American Astronomical Society* 34, 840.
- [198] Righini, S., S. Poppi, S. Montebugnoli, M. DiMartino, L. Saba, **M. Delbo**, S. Ostro, J. Monari, M. Poloni, and A. Orlati 2002. Intercontinental Bistatic Radar Test Observation of Asteroid 1998 WT24. *Astrophysics and Space Science Library* 278, 65.
- [199] **Delbo, M.**, M. di Martino, L. Saba, S. Montebugnoli, S. Righini, S. Poppi, A. Orlati, S. Ostro, and G. Cevolani 2002. The First Italian Radar Experiment. *EGS XXVII General Assembly, Nice, 21-26 April 2002* 27, 5643.
- [200] **Delbo, M.**, A. W. Harris, R. P. Binzel, and J. K. Davies 2000. Physical Characterization of Near-Earth Objects With the Keck Telescope. *Bulletin of the American Astronomical Society* 32, 1000.
- [201] **Delbo, M.**, G. Tosti, M. Villata, C. M. Raiteri, F. Salvati, L. Lanteri, G. Massone, and F. Porcu 1999. The REOSC automation project. *Blazar Monitoring towards the Third Millennium* 121-124.
- [202] **Delbo, M.**, Marchi, S., Morbidelli, A., Libourel, G., Campins, H. 2009. Radiative Heating And Temperature Stress at the Surfaces of Near-Earth Objects as Source of Surface Metamorphisms. *AAS/Division for Planetary Sciences Meeting Abstracts* 41, #32.02.

Invited Seminars

- [1] **Delbo, M.** 25-05-2023. *Discovering the original planetesimals of our Solar System*. Armagh Observatory and Planetarium, Armagh, Northern Ireland, UK.
- [2] **Delbo, M.** 24-05-2023. *Surfaces of small bodies from in-situ space missions*. Queen's University Belfast, Belfast, Northern Ireland, UK.
- [3] **Delbo, M.** 16-05-2023. *Surface evolution of small bodies as seen by the sample return missions*. School of Physics and Astronomy, University Leicester, Leicester, England, UK.
- [4] **Delbo, M.** 25-11-2022. *Physical properties of near-Earth and main belt asteroids and the future big-data challenge* European Space Agency, ESRIIN, Near-Earth Object Coordination Centre (NEOCC), Roma Frascati.
- [5] **Delbo, M.** 27-05-2020. *When world fractures. The effect of crack propagation in shaping planetary surfaces*. Observatoire de la Côte d'Azur, Nice, France
- [6] **Delbo, M.** 27-05-2020. *Constraints on initial size distribution of planetesimals*. Invited lecture at the winter school of C.N.R.S. Chronology of Solar System formation VII. First solids and planetesimals: formation conditions and evolution. Les Houches, France, February 2020.

- [7] **Delbo, M.** 01-2019. *The preliminary survey of the near-Earth asteroid Bennu by NASA's OSIRIS-REx* Aristotele University Thessalonique, Greece
- [8] **Delbo, M.** 05-0217. *Fracture thermique des astéroïdes et des comètes* Laboratoire Sols, Solides, Structures et Risques .Grenoble, France
- [9] **Delbo, M** 2017. *In search for the primitive solar system material in the Main Asteroid Belt.* Sterrewach (Observatory) Leiden, the Netherlands.
- [10] **Delbo, M.,** 2016. *Cracking up asteroids, comets and other minor bodies under the light of the sun* ESA/ESTEC October 21, 2016. Noordwijk, The Netherlands.
- [11] **Delbo, M.,** 2014. *Burning and cracking Asteroids with Sunlight* Centre for Astrophysics and Planetary Science (CAPS) University of Kent, Canterbury, UK, 21/10/2014.
- [12] **Delbo, M.,** 2014. *Cracking up asteroids with Sun light* Rigas Fotonikas Centrs, Riga, Latvia. 9/07/2014.
- [13] **Delbo, M.,** 2014. *Cracking up asteroids with Sun light (thermal fatigue cracking of rocks on asteroids)* INAF – Astronomical Observatory of Arcetri. 27/06/2014.
- [14] **Delbo, M.,** 2014. *Cracking up asteroids with Sun light* Center for Lunar and Asteroid Surface Science / Florida Space Institute. Orlando, FL, US. 16/Apr/2014.
- [15] **Delbo, M.,** 2013. *Weathering processes of asteroid surfaces? Formation of regolith* INAF – Astronomical Observatory of Catania, Italy. 5/11/2014.
- [16] **Delbo, M.,** 2012. *Heating of near-Earth objects and meteoroids due to close approaches to the Sun* Univerisy of Hawaii, US. 6/09/2012.
- [17] **Delbo, M.,** 2011. *The Main Belt Origin of the asteroid 2008 TC₃ and the Almahata Sitta meteorites.* Astronomical Institute of the Charles University, Prague, CZ 19/10/2011.
- [18] **Delbo, M.,** 2011. *The Main Belt Origin of the asteroid 2008 TC₃ and the Almahata – Sitta meteorites.* South-West Reserach Institute Boulder, CO, USA. 05/04/2011.
- [19] **Delbo, M.,** 2010. *Towards a new compositional map of the asteroid belt: a key tool for understanding the origin of asteroid and their dynamical families.* Jet Propulsion Laboratory NASA Pasadena, CA, USA. 28/09/2010.
- [20] **Delbo, M.,** 2010. *Temperature on asteroids: implication for the nature of the regolith, thermal metamorphysm and rock breaking by thermal fatigue.* Museum national d'Histoire naturelle, Paris, France. 10/06/2010.
- [21] **Delbo, M.,** 2008a. *Physics of asteroids from analysis of their heat emission: thermal models and new observational techniques.* Istituto di Astrofisica Spaziale e Fisica Cosmica, Rome, Italy. 13/03/2008.
- [22] **Delbo, M.,** 2008b. *Asteroid physical properties from interferometry to high precision astrometry.* Observatoire de la Côte d'Azur, France. 26/02/2008.
- [23] **Delbo, M.,** 2008c. *Observations et modeles de l'emmission infrarouge des corps planetaires. A partir des astéroïdes potentiellement dangereux jusqu'aux planetes extrasolaires.* Observatoire de Bordeaux, France. 28/03/2008.
- [24] **Delbo, M.,** 2007a. *Recent results from observations and modeling of asteroids in the thermal infrared.* Max Planck Institute for Solar System Research, Max Planck-Str. 2 37191 Katlenburg-Lindau, Germany. 28/08/2007.
- [25] **Delbo, M.,** 2007b. *Observations and modeling of planetary objects in the thermal infrared.* Laboratoire Universitaire d'Astrophysique de Nice UMR 6525 (LUAN), Nice, France. 09/05/2007.
- [26] **Delbo, M.,** 2007c. *From potentially hazardous asteroids to extrasolar planets: observations and modeling of thermal infrared emission of planetary objects.* Institut de Mecanique Celeste et de Calcul des Ephemerides (IMCCE), Paris, France. 02/05/2007.

- [27] **Delbo, M.**, 2005. *Thermal Infrared Properties of Near-Earth Asteroids*. Massachusetts Institute of Technology, Boston, US. 19/02/2005.
- [28] **Delbo, M.**, 2004a *Thermal properties of near-Earth asteroids: novel results and their implication for the strength of the Yarkovsky effect*. Observatoire de la Côte d'Azur, Nice, France. 7/12/2004.
- [29] **Delbo, M.**, 2004b *The Nature of near-Earth asteroids from the study of their thermal infrared emission*. INAF - Osservatorio Astronomico di Torino, Italy. 14/10/2004.
- [30] **Delbo, M.**, 2003 *Observation of Asteroids with GAIA* DLR-Berlin, Germany. 09/05/2003.
- [31] **Delbo, M.**, 2001 *Asteroid thermal models and the problems of their application to Near Earth Asteroids*. Max Planck Institute fuer Aeronomie, Katlenburg-Lindau, Germany. 05/09/2001.