

Chapitre 2

Publications

Articles acceptés :

- 2011 “The EFIGI Catalogue of 4458 nearby galaxies with detailed morphology”
Baillard, B., Bertin, E., **de Lapparent, V.**, Fouqué, P., Arnouts, S., Mellier, Y., Pelló, R.,
Leborgne, J.-F., Prugniel, J.-P., Makarov, D., Makarova, L., McCracken, H., Bijaoui, A.,
Tasca, L., A&A, sous presse, astro-ph/1103.5734
- 2011 “The EFIGI Catalogue of 4458 nearby galaxies with morphology. II. Statistical properties
along the Hubble sequence”
de Lapparent, V., Baillard, B., Bertin, E., A&A, sous presse, astro-ph/1103.5735

Articles parus dans revue avec comité de lecture :

- 2007 “The 12 μm ISO-ESO-Sculptor and 24 μm Spitzer faint counts reveal a population of ULIRG
as dusty massive ellipticals. Evolution by types and cosmic star formation”
Rocca-Volmerange, B., **de Lapparent, V.**, Seymour, N., Fioc, M., A&A 475, pp. 801–812
- 2007 “A 12 μm *ISOCAM* survey of the ESO-Sculptor field II. Data Reduction and Analysis”
Seymour, N., Rocca-Volmerange, B., **de Lapparent, V.**, A&A 475, pp. 791–799
- 2007 “Spatial clustering in the ESO-Sculptor survey: two-point correlation functions by galaxy
type at redshifts 0.1–0.5”
de Lapparent, V., Slezak, E., A&A 472, pp. 29–49
- 2007 “The Large Zenith Telescope - A 6-meter Liquid-Mirror Telescope”
Hickson, P., Pfrommer, T., Cabanac, R., Crottes, A., Johnson, B., **de Lapparent, V.**,
Lanzetta, K., Gromoll, S., Mulrooney, M., Sivanandam, S., Truax, B., PASP 119, pp. 444–
455
- 2004 “The ESO-Sculptor Survey: Evolution of late-type galaxies at redshifts 0.1–0.5”
de Lapparent, V., Arnouts, S., Galaz, G., Bardelli, S., A&A 422, pp. 841–863
- 2003 “Critical analysis of the luminosity functions per galaxy type measured from redshift sur-
veys”
de Lapparent, V., A&A 408, pp. 845–872
- 2003 “The ESO-Sculptor Survey: Luminosity functions of galaxies per spectral type at redshifts
0.1–0.5”
de Lapparent, V., Galaz, G., Bardelli, S., Arnouts, S., A&A 404, pp. 831–860

- 2002 “Classification and redshift estimation by principal component analysis”
Cabanac, R. A., **de Lapparent, V.**, Hickson, P., *A&A* 389, pp. 1090–1116
- 2000 “Evolution of faint galaxy clustering. The 2-point angular correlation function of 20,000 galaxies to $V < 23.5$ and $I < 22.5$ ”
Cabanac, R. A., **de Lapparent, V.**, Hickson, P., *A&A* 364, pp. 349–368
- 1998 “The ESO-Sculptor Faint Galaxy Redshift Survey: Spectral Classification at $z \leq 0.5$ ”
Galaz, G., **de Lapparent, V.**, *A&A* 332, pp. 459–478
- 1997 “The ESO-Sculptor Faint Galaxy Redshift Survey: The Photometric Sample”
Arnouts, S., **de Lapparent, V.**, Mathez, G., Mazure, A., Mellier, Y., Bertin, E., & Kruszewski, A., *A&A Suppl* 124, pp. 1–21
- 1995 “Mapping the Galaxy Distribution at Large Distances”
Bellanger, C., **de Lapparent, V.**, *Ap. J. Lett.* 455, pp. L103–L107
- 1995 “The ESO-Sculptor Faint Galaxy Redshift Survey: The Spectroscopic Sample”
Bellanger, C., **de Lapparent, V.**, Arnouts, S., Mathez, G., Mazure, A., Mellier, Y., *A&A Suppl* 110, pp. 159–171
- 1993 “Objective Detection of Voids and High-Density Structures in the First CfA Redshift Survey Slice”
Slezak, E., **de Lapparent, V.**, & Bijaoui, A., *Ap. J.* 409, pp. 517–529
- 1991 “Measures of Large-Scale Structure in the CfA Redshift Survey Slices”
de Lapparent, V., Geller, M. J., Huchra, J. P., *Ap. J.* 369, pp. 273–286
- 1990 “The CfA Redshift Survey: Data for the NGP +30 Zone”
Huchra, J., Geller, M. J., **de Lapparent, V.**, Corwin, H., *Ap. J. Suppl* 72, pp. 433–470
- 1989 “The Luminosity Function for the CfA Redshift Survey Slices”
de Lapparent, V., Geller, M. J., Huchra, J. P., *Ap. J.* 343, pp. 1–17
- 1988 “The Mean Density and Two-Point Correlation Function for the CfA Redshift Survey Slices”
de Lapparent, V., Geller, M. J., Huchra, J. P., *Ap. J.* 332, pp. 44–56
- 1986 “The Shane-Wirtanen Counts: Systematics and Two-Point Correlation Function”
de Lapparent, V., Kurtz, M. J., Geller, M. J., *Ap. J.* 304, pp. 585–598
- 1986 “A Slice of the Universe”
de Lapparent, V., Geller, M. J., Huchra, J. P., *Ap. J. (Letters)* 302, pp. L1–L5
- 1984 “The Shane-Wirtanen Counts”
Geller, M. J., **de Lapparent, V.**, M. J. Kurtz, *Ap. J. (Letters)* 287, pp. L55–L58

Communications invitées dans des congrès internationaux :

- 2005 “Observations of Large-Scale Structure”
de Lapparent, V., in Current Issues in Cosmology, eds. J.-C. Pecker, J. Narlikar (Cambridge University Press, Grande Bretagne)
- 1997 “The Large-Scale Structure of the Universe”
de Lapparent, V., European Review (John Wiley & Sons, Grande Bretagne), *Vol. 5 No. 4*, pp. 419–428
- 1996 “Mapping the Large-Scale Structure”
de Lapparent, V., in Cosmology and Large Scale Structure, Les Houches, Session LX, eds. R. Schaeffer *et al.* (Elsevier Science, Amsterdam), pp. 107–132
- 1994 “Mapping the Large-Scale Structure”
de Lapparent, V., in Astronomy from Wide-Field Imaging, IAU Symposium, No 161, eds. H. T. MacGillivray *et al.* (Kluwer Academic Publishers, Dordrecht), pp. 669–686
- 1993 “Mapping the Large-Scale Galaxy Distribution”
de Lapparent, V., in Particle Astrophysics, IVth Rencontres de Blois, eds. J. Tran Thanh Van *et al.* (Editions Frontières, Gif-sur-Yvette), pp. 281–298
- 1989 “The Mean Density from the Galaxy Distribution”
de Lapparent, V., in The Quest for the Fundamental Constants in Cosmology, XXIVth Rencontres de Moriond, eds. J. Audouze *et al.* (Editions Frontières, Gif-sur-Yvette), pp. 103–109
- 1989 “Cosmologie, Sondages Profonds”
de Lapparent, V., in Quels Programmes Prioritaires pour le VLT en 1994/95, ed. D. Alloin (Observatoire de Paris-Meudon), pp. 281–283
- 1987 “The Center for Astrophysics Redshift Survey: Statistical Measures of Large-Scale Clustering”
de Lapparent, V., Geller, M. J., Huchra, J. P., in Thirteenth Texas Symposium on Relativistic Astrophysics, ed. M. Ulmer (World Scientific, Singapore), pp. 281–283

Contributions écrites invitées :

- 1997 “La Structure de l’Univers à Grande Echelle : des Galaxies aux Superamas”
de Lapparent, V., in Compte-Rendus de l’Académie des Sciences, 324 Série IIB, pp. 785–798
- 1991 “Extragalactic Voids”
de Lapparent, V., in The Astronomy and Astrophysics Encyclopedia, ed. J. P. Maran (Van Nostrand Reinhold, New York), p. 952
- 1989 “Des Bulles dans la Distribution des Galaxies”
de Lapparent, V., in Bulletin de la Société Française de Physique, 73, p. 22

Communications dans des congrès internationaux :

- 2008 “An Automatic Method to Determine the Degree of Flocculence of a Galaxy”
 Dumoncel, J., Campedel, M., Maître, H., Baillard, A., Bertin, E., **de Lapparent, V.**, Mellier, Y., Fouqué, P., Borgne, J.-F. L., Pelló, R., Makarov, D., Makarova, L., Prugniel, P., Arnouts, S. in Astronomical Data Analysis Software and Systems XVII, ASP Conf. Ser., Vol. 394, eds. R. W. Argyle, P. S. Bunclark, J. R. Lewis (Astronomical Society of the Pacific, San Francisco), pp. 497–499
- 2002 “The different clustering of red and blue galaxies: a robust signal from $\omega(\theta)$ ”
 Cabanac, R., **de Lapparent, V.**, Hickson, P. in New Era in Cosmology, ASP Conf. Ser., Vol. 283, eds. T. Shanks & N. Metcalfe. (Astronomical Society of the Pacific, San Francisco), pp. 129–131
- 2002 “The Large Zenith Telescope Survey: a deep survey using a 6-m liquid mirror telescope”
 Cabanac, R., **de Lapparent, V.**, Hickson, P. in New Era in Cosmology, ASP Conf. Ser., Vol. 283, eds. T. Shanks & N. Metcalfe (Astronomical Society of the Pacific, San Francisco), pp. 132–134
- 2000 “The Large Zenith Telescope: Redshifts and Physical Parameters of Faint Objects from a Principal Component Analysis”
 Cabanac, R., **de Lapparent, V.**, in Clustering at High Redshift, ASP Conf. Ser., Vol. 200, eds. A. Mazure, O. Le Fèvre, & V. Le Brun (Astronomical Society of the Pacific, San Francisco), p. 396
- 1999 “The ESO-Sculptor survey with ISO”
 Rocca-Volmerange, B., **de Lapparent, V.**, Surace, C., The Elais Consortium in The Universe as Seen by ISO, ESA-SP, Vol. 427, eds. P. Cox & M. F. Kessler, p. 1053
- 1998 “The ESO-Sulptor Survey: Galaxy Populations and Luminosity Function at $z \leq 0.5$ ”
 Galaz, G., **de Lapparent, V.**, in Wide Field Surveys in Cosmology, 14th IAP meeting, eds. S. Colombi, Y. Mellier & B. Raban (Editions Frontieres, Gif-sur-Yvette), p. 157
- 1998 “Large Zenith Telescope project: a 6-m mercury-mirror telescope”
 Hickson, P., Borra, E. F., Cabanac, R., Chapman, S. C., **de Lapparent, V.**, Mulrooney, M., & Walker, G. A. in Advanced Technology Optical/IR Telescopes VI, Proceedings SPIE, Vol. 3352, ed. L. M. Stepp, pp. 226–232
- 1997 “Spectral Classification of Galaxies with $z \leq 0.5$ ”
 Galaz, G., **de Lapparent, V.** in The Early Universe with the VLT, ed. J. Bergeron (Springer, Berlin), pp. 394–395
- 1988 “The Center for Astrophysics Redshift Survey”
 Huchra, J. P., Geller, M. J., **de Lapparent, V.**, R. Burg, in Large Scale Structures of the Universe, IAU Symposium 130, eds. J. Audouze *et al.* (D. Reidel, Dordrecht), pp. 105–112
- 1988 “The Center for Astrophysics Redshift Survey: Luminosity Function and Two-Point Correlation Function”
de Lapparent, V., Geller, M. J., Huchra, J. P., in Large Scale Structures of the Universe IAU Symposium 130, eds. J. Audouze *et al.* (D. Reidel, Dordrecht), p. 519

- 1987 “Large-Scale Structure: The Center for Astrophysics Redshift Survey”
Geller, M. J., Huchra, J. P., **de Lapparent, V.**, in Observational Cosmology, IAU Symposium 124, eds. A. Hewitt *et al.* (D. Reidel, Dordrecht), pp. 301–312
- 1986 “The Galaxy Distribution and the Large-Scale Structure of the Universe”
Geller, M. J., **de Lapparent, V.**, Kurtz, M. J., in Twelfth Texas Symposium on Relativistic Astrophysics, Vol. 470, ed. M. Livio (Annals of the New York Academy of Sciences, New York), pp. 123–135
- 1985 “A Slice of the Universe”
Huchra, J. P., **de Lapparent, V.**, Geller, M. J., Kurtz, M. J., Horine, E., Peters, J., Tokarz, S. in Bulletin of the American Astronomical Society, Vol. 17, p. 857

Autres publications spécialisées :

- 1997 “The ESO-Sculptor Faint Galaxy Survey: Large-Scale Structure and Galaxy Populations at $0.1 < z < 0.5$ ”
de Lapparent, V., Galaz, G., Arnouts, S., S. Bardelli, M. Ramella, M., Messenger, 89, pp. 21–28
- 1994 “Possible Gravitational Microlensing Event”
Benetti, S., Pasquini, L., West, R., **de Lapparent, V.** in IAU Circular, Vol. 6069, ed. D. W. E. Green, p. 2
- 1993 “LITE: the Large Imaging Telescope”
Vigroux, L., **de Lapparent, V.**, Mellier, Y., Rich, J., Breuer, H. J., Lorenz, H., Marx, S., Messenger, 71, pp. 44–46
- 1993 “Mapping the Large-Scale Structure with the ESO Multi-Slit Spectrographs”
de Lapparent, V., Bellanger, C., Arnouts, S., Mathez, G., Mellier, Y., and Mazure, A., Messenger, 72, pp. 34–38
- 1991 “Multi-Object Spectroscopy with the ESO Multi-Mode Instrument at the NTT”
Dekker, H., D’Odorico, S., Kotzłowski, H., Lizon, J.-L. Longinotti, A., Nees, W., **de Lapparent-Gurriet, V.**, Messenger, 63, pp. 73–76
- 1989 “A Redshift Survey of Galaxies with $z \leq 0.6$ using Multi-Object Spectroscopy”
de Lapparent, V., Mazure, A., Mathez, G., Mellier, Y., Messenger, 55, pp. 5–6
- 1988 “Possible Supernovae”
Hansen, L., Norgaard-Nielsen, H. U., Jorgensen, H. E., Ellis, R., Couch, W., Allington-Smith, J., **de Lapparent, V.**, Mazure, A. in IAU Circular, Vol. 4641, ed. B. G. Marsden, p. 1
- 1986 “Les Grandes Structures dans la Distribution des Galaxies”
de Lapparent, V., Thèse de Doctorat, Université Paris 7

Contributions invitées pour diffusion des connaissances :

- 1997 “La Structure de l’Univers à Grande Echelle : des Galaxies aux Superamas”
de Lapparent, V., in Compte-Rendus de l’Académie des Sciences, *324 Série Iib*, pp. 785–798
- 1991 “Extragalactic Voids”
de Lapparent, V., in The Astronomy and Astrophysics Encyclopedia, ed. J. P. Maran (Van Nostrand Reinhold, New York), p. 952
- 1990 “Les Bulles de l’Univers”
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- 1990 “Un Univers en Forme de Bulles”
de Lapparent, V., Science & Vie Hors-Série, *170*, p. 126
- 1989 “Des Bulles dans la Distribution des Galaxies”
de Lapparent, V., in Bulletin de la Société Française de Physique, *73*, p. 22