Gary A. MAMON

Bibliographie

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(A–149) Rodrigo FLORES-FREITAS, Marina TREVISAN, Maitê MÜCKLER, **Gary A. MAMON**, Allan SCHNORR-MÜLLER & Vitor BOOTZ : Compact groups of dwarf galaxies in TNG50: late hierarchical assembly and delayed stellar build-up in the low-mass regime, 2024, *Monthly Notices of the Royal Astronomical Society*, **528**, 5804–5824, arXiv

(A–150) *A. P. DE ALMEIDA*, **G. A. MAMON**, A. DEKEL & G. B. LIMA-NETO : What drives the corpulence of galaxies? I. The formation of central compact dwarf galaxies in TNG50, 2024, *Astronomy & Astrophysics*, sous presse

(A–151) *S. DAMSTED*, A. FINOGUENOV, H. LIETZEN, **G. A. MAMON**, J. COMPARAT, E. TEMPEL, I. DMITRIEVA, N. CLERC, C. COLLINS, G. GOZALIASL, D. ECKERT : AXES-SDSS: comparison of SDSS galaxy groups with All-sky X-ray Extended Sources, 2024, *Astronomy & Astrophysics*, soumis, arXiv

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II. Articles en préparation pour des revues internationales avec jugement de rapporteur (en ordre prévu de soumission)

(AP–1) **Gary A. MAMON** & *Eduardo VITRAL* : MAMPOSSt-PM: a Bayesian code for the joint analysis of line-of-sight and plane-of-sky kinematics of spherical systems, pour *Monthly Notices of the Royal Astronomical Society*, achevé et écrit à 80%

(AP–2) *Matthieu TRICOTTET*, **Gary A. MAMON** & Eugenia DÍAZ-GIMÉNEZ : Are isolated compact galaxy groups special?, pour *Monthly Notices of the Royal Astronomical Society*, achevé et écrit à 80%

(AP–3) Maitê MÜCKLER, Marina TREVISAN & **Gary A. MAMON** : Quenching of star formation in galaxies up to large clustercentric distances, pour *Monthly Notices of the Royal Astronomical Society*, achevé et écrit à 80%

(AP–4) Pedro BEAKLINI, Sambit ROYCHAUDHURY, **Gary A. MAMON**, Marina TREVISAN & Trinh X. THUAN, Atomic gas in nearby bery young galaxies, pour *Monthly Notices of the Royal Astronomical Society*, achevé et écrit à 70%

(AP–5) Mojtaba RAOUF, **Gary A. MAMON**, Adarsh RANJAN & Marina TREVISAN, Very young galaxies in the local Universe: IV. The view from hydrodynamical simulations, pour *Monthly Notices of the Royal Astronomical Society*, achevé et écrit à 60%

III. Articles publiés dans des revues internationales de rang B ou sans jugement de rapporteur

(B–1) N. EPCHTEIN *et al.* (48 auteurs) : The Deep Near-Infrared Southern Sky Survey (DENIS), 1997, *ESO Messenger*, **87**, 27–34

(B–2) A. G. KARAPETYAN, A. A. HAKOBYAN, L. V. BARKHUDARYAN, **G. A. MAMON**, D. KUNTH, V. ADIBEKYAN & M. TURATTO : The impact of spiral density waves on star formation distribution: a view from core-collapse supernovae, 2019, Comm. of the Byurakan Astrophys. Obs., **65**, 379–384

(B–3) **Gary A. MAMON** : Regional analysis of COVID-19 in France from fit of hospital data with different evolutionary models, 2020, arXiv:2005.06552 (`q-bio.PE`).

(B–4) Lorenzo PIZZUTI, Ippocratis D. SALTAS, Andrea BIVIANO, **Gary MAMON** & Luca AMENDOLA : MG-MAMPOSSt, a Fortran code to test gravity at galaxy cluster scales, *Journal of Open Source Software*, 8(81), 4800, arXiv

IV. Conférences internationales publiées : Avec jugement de rapporteur

(CA–1) V. BANCHET, **G. A. MAMON** & M. CONTENSOU : The Detection of DENIS Galaxies, 1995, dans *"The World of Galaxies: II"*, ed. G. Paturel & C. Petit, *Astrophys. Lett. & Comm.*, **31**, 37–40, arXiv:astro-ph/9501063

(CA–2) Quentin A. PARKER, Matthew M. COLLESS & **G. A. MAMON** : The FLAIR-DENIS Redshift Survey, 1996, dans *HI in the Local Universe*, ed. L. Stavely-Smith, *Pub. Astron. Soc. Australia*, **14**, 125–126

(CA–3) B.F. ROUKEMA & **G.A. MAMON** : Large Scale Structure Among $z \sim 2$ Quasars as a Cosmological Standard Ruler, 2002, dans *IAU Symp. 199 "The Universe at Low Radio Frequencies"*, ed. A. P. Rao G. Swarup & Gopal-Krishna., ASP, p. 54–55

V. Sommaires invités, publiés, de conférences internationales

(CS–1) **Gary A. MAMON** : Workshop Summary, 1995, dans *STScI Workshop, "Groups of Galaxies"*, ed. O. G. Richter & K. Borne (San Francisco : A.S.P. [vol. **70**]), p. 173–181.

VI. Sommaires de conférences — non-publiés

(CSNP–1) Workshop summary (avec Linda Sparke), Décembre 2001, Tenerife, EARA workshop on *Galaxy mergers*

(CSNP–2) Summary talk (un parmi deux, l'autre par Elena Pierpaoli), Mars 2013, Madonna di Campiglio, Meeting on *The Mass Profiles of Galaxy Clusters from the Core to the Outskirts: the Need for a Multi-Wavelength Approach*

(CSNP–3) Summary, Septembre 2015, session *Spherical & Triaxial* du 3rd Gaia Challenge, Barcelone

VII. Conférences internationales : Revues et présentations longues invitées — publiées

(CR–1) **Gary A. MAMON** : Dynamical Theory of Dense Groups of Galaxies, 1990, dans *IAU Colloquium No. 124, "Paired and Interacting Galaxies"*, ed. J. W. Sulentic, W. C. Keel, & C. M. Telesco (Washington : NASA), 609–618, **revue invitée**

(CR–2) A. E. GLASSGOLD & **G. A. MAMON** : Circumstellar Chemistry, 1992, dans *"Chemistry and Spectroscopy of Interstellar Molecules"*, ed. D.K. Bohme, E. Herbst, N. Kaifu & S. Saito (Tokyo : Univ. of Tokyo Press), p. 261–266, **revue invitée**

(CR–3) **Gary A. MAMON** : Compact Group Modelling, 1992, dans *2nd DAEC Meeting, "The Distribution of Matter in the Universe"*, ed. G. A. Mamon & D. Gerbal (Meudon : Obs. de Paris), 51–66, **revue invitée**

(CR–4) Nicolas EPCHTEIN & **Gary A. MAMON** : The New Proposed Two Micron Survey and its Impact on Extragalactic Research, 1992, dans *2nd DAEC Meeting, "The Distribution of Matter in the Universe"*, ed. G. A. Mamon & D. Gerbal (Meudon : Obs. de Paris), 382–387, **revue invitée**

(CR–5) **Gary A. MAMON** : Dynamical Theory of Groups and Clusters of Galaxies, 1993, dans *"The N-Body Problem and Gravitational Dynamics"*, ed. F. Combes & E. Athanassoula (Meudon : Obs. de Paris), p. 188–203, arXiv:astro-ph/9308032

(CR–6) **Gary A. MAMON** : Bulge/Disk Segregation in the Universe, 1993, dans *"The N-Body Problem and Gravitational Dynamics"*, ed. F. Combes & E. Athanassoula (Meudon : Obs. de Paris), p. 226–239, arXiv:astro-ph/9310049

(CR–7) N. EPCHTEIN, B. DE BATZ, E. COPET, P. FOUQUÉ, F. LACOMBE, T. LE BERTRE, **G. MAMON**, D. ROUAN, D. TIPHÈNE, W.B. BURTON, E. DEUL, H. HABING, J. BORSENBERGER, M. DENNEFELD, A. OMONT, J.C. RENAULT, B. ROCCA-VOLMERANGE, S. KIMESWENGER, I. APPENZELLER, R. BENDER, T. FORVEILLE, F. GARZON, J. HRON, P. PERSI, M. FERRARI-TONIOLO & I. VAUGLIN : DENIS: A Deep Near-Infrared Survey of the Southern Sky, 1994, dans *Astrophysics & Space Science* **217** *: "Science with Astronomical Near-Infrared Surveys"*, ed. N. Epchtein, A. Omont, B. Burton & P. Persi (Dordrecht : Kluwer), p. 3–9, **revue invitée**

(CR–8) **Gary A. MAMON** : Groups and Clusters in the Near-Infrared, 1994, dans *Ap. Sp. Sci.* **217** *: "Science with Astronomical Near-Infrared Surveys"*, ed. N. Epchtein, A. Omont, B. Burton & P. Persi (Dordrecht : Kluwer), p. 237–242, arXiv:astro-ph/9312036, **revue invitée**

(CR–9) **Gary A. MAMON** : How Well Should the DENIS Survey Probe Galaxies Behind the Galactic Plane?, 1994, dans *"Unveiling Large-Scale Structures Behind the Milky Way"*, ed. C. Balkowski & R.C. Kraan-Korteweg (San Francisco : A.S.P. [vol. **67**]), p. 53–61, arXiv:astro-ph/9405056

(CR–10) **Gary A. MAMON** : Compact Groups : Observations and Theories, 1995, dans *STScI Workshop, "Groups of Galaxies"*, ed. O. G. Richter & K. Borne (San Francisco : A.S.P. [vol. **70**]), p. 83–94, **revue invitée**

(CR–11) **Gary A. MAMON**, Vincent BANCHET, Catherine BOISSON, Véronique CAYATTE & Frédéric ENGELMANN : A First Look at Galaxies with the DENIS Survey, 1995, dans *Euroconference on "Near-Infrared Sky Surveys"*, ed. P. Persi, W.B. Burton, N. Epchtein & A. Omont (*Mem. Soc. Astr. It.* **66**), p. 693–698, arXiv:astro-ph/9511099

(CR–12) **Gary A. MAMON** : The Dynamics of Groups and Clusters of Galaxies and Links to Cosmology, 1996, dans *3rd Paris Cosmology Colloquium "Daniel Chalonge"*, ed. H. de Vega & N. Sánchez (Singapore : World Scientific), p. 95–119, arXiv:astro-ph/9511101

(CR–13) **Gary A. MAMON** : The DENIS & 2MASS Near Infrared Surveys and their Applications in Cosmology, 1996, dans *XXXIst Moriond Meeting: "Dark Matter in Cosmology, Quantum Measurements, Experimental Gravitation"*, ed. R. Ansari, Y. Giraud-Héraud & J. Trân Thanh Vân (Gif-sur-Yvette: Frontières), p. 225–232, arXiv:astro-ph/9608076

(CR–14) **Gary A. MAMON**, Vincent BANCHET, Matthieu TRICOTTET & David KATZ : Preliminary Galaxy Extraction from DENIS Images, 1997, dans *Euroconference on "The Impact of Large-Scale Near-IR Sky Surveys"*, ed. F. Garzón, N. Epchtein, A. Omont, B. Burton & P. Persi (Dordrecht: Kluwer), p. 239–248, arXiv:astro-ph/9608077

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(CR–16) **Gary A. MAMON**, Jean BORSENBERGER, Matthieu TRICOTTET & Vincent BANCHET : Galaxies with DENIS: Preliminary Star/Galaxy Separation and First Results, 1998, dans *3rd DENIS/2MASS Euroconference on "The Impact of Near-Infrared Surveys on Galactic and Extragalactic Astronomy"*, ed. N. Epchtein (Dordrecht: Kluwer), p. 177–192, arXiv:astro-ph/9712169

(CR–17) **Gary A. MAMON** : Theory of Galaxy Dynamics in Clusters and Groups, 2000, dans *XVth IAP Meeting on "Dynamics of Galaxies: from the Early Universe to the Present"*, ed. F. Combes, G.A. Mamon & V. Charmandaris (San Francisco: ASP [vol. **197**]), p. 377–387, arXiv:astro-ph/9911333, **revue invitée**

(CR–18) **Gary A. MAMON** : The Evolution of Galaxy Groups and Galaxies Therein, 2007, dans *ESO Workshop on "Groups of Galaxies in the Nearby Universe"*, ed. I. Saviane, V. Ivanov & J. Borissova (Berlin: Springer), p. 197–213, arXiv:astro-ph/0607482, **revue invitée**

(CR–19) Joseph SILK & **Gary A. MAMON** : The current status of galaxy formation, 2012, *Research in Astronomy and Astrophysics*, **12**, 917–946, IAU General Assembly, Beijing, Chine, arXiv:1207.3080, **revue invitée**, article mis en ligne dans NASA Extragalactic Database Level 5 Knowledgebase for Extragalactic Astronomy and Cosmology,

VIII. Revues et présentations longues invitées non-publiées

(CRNP–1) How do galaxies lose their mass and when do they form their stars?, Avril 2011, *Friends-of-Friends meeting*, IATE, Cordoba, Argentine, **revue invitée**

(CRNP–2) Can the baryonic Tully-Fisher relation be explained with ΛCDM?, Juin 2011, DMOND meeting on MOND, IAP, Paris, **revue invitée**

(CRNP–3) Galaxy mergers and mass segregation in compact groups, Janvier 2013, GEPI workshop *Shaping galaxy evolution: interactions & feedback*

(CRNP–4) Galaxy Interactions in the Local Universe: how many, where and how?, Juillet 2013, 9th Marseille Cosmology Conference, Physical Processes of Galaxy Formation: Consensus and Challenges, Aix-en-Provence, **revue invitée**

(CRNP–5) The Nature & Mass Assembly History of Compact Groups of Galaxies, Janvier 2015, Galaxies: Inside and Out, IMP, Teheran, Iran, **revue invitée**

(CRNP–6) Measuring group environments: methods & consequences, Décembre 2016, Physics of Groups and Galaxies Properties therein, IAP, Paris

(CRNP–7) Solving the cusp/core issue in low-mass galaxies: a dynamical perspective, Mai 2017, News from/in/about the dark (2): From galactic dynamics to particle dark matter properties, LUPM, Montpellier

(CRNP–8) The fertility of galaxies: nature or nurture?, Septembre 2017, Société Astronomique du Brésil, **keynote speach**

(CRNP–9) Dark matter on small scales: from giant galaxies to dwarf spheroidals, Semaine de l'Astrophysique Française (SF2A), Nice, Mai 2019, Atelier PNCG (S17), Matière noire à toutes les échelles, **revue invitée**

IX. Conférences internationales : contributions invitées publiées

(CI–1) Paul HICKSON, Zoran NINKOV, John P. HUCHRA & **Gary A. MAMON** : The Structure of Compact Groups of Galaxies, 1984, dans *"Clusters and Groups of Galaxies"*, ed. F. Mardirossian, G. Giuricin, & M. Mezzetti (Dordrecht : Reidel), p. 367–373.

(CI–2) **Gary A. MAMON** : Group Dynamics and Compact Groups, 1991, dans *IAU Symposium No. 146, "Dynamics of Galaxies and their Molecular Cloud Distributions"*, ed. F. Combes & F. Casoli, p. 394–396.

(CI–3) **Gary A. MAMON** : The DENIS Survey and its Cosmological Applications, 1995, dans *35th Herstmonceaux Conference: "Wide-Field Spectroscopy and the Distant Universe"*, ed. S.J. Maddox & A. Aragón-Salamanca (Singapore : World Scientific), p. 73–80, arXiv:astro-ph/9501062

(CI–4) E. L. ŁOKAS, **G. MAMON** & F. PRADA : The Draco dwarf in CDM and MOND, 2006, dans *XXIst IAP Meeting: "Mass Profiles & Shapes of Cosmological Structures"*, ed. G.A. Mamon, F. Combes, C. Deffayet & B. Fort (Paris : EDP), EAS Pub. Series **20**, p. 113–118, arXiv:astro-ph/0508668

(CI–5) **Gary A. MAMON**, Ewa. L. ŁOKAS, Avishai DEKEL & Felix STOEHR : Kinematical and Dynamical Modelling of Elliptical Galaxies, 2006, dans *XXIst IAP Meeting: "Mass Profiles & Shapes of Cosmological Structures"*, ed. G.A. Mamon, F. Combes, C. Deffayet & B. Fort (Paris : EDP), EAS Pub. Series **20**, p. 139–148, arXiv:astro-ph/0601345

(CI–6) Ewa L. ŁOKAS, Radoslaw WOJTAK, **Gary A. MAMON** & Stefan GOTTLOEBER : Mass modelling of galaxy clusters via velocity moments, 2007, Rencontres de Blois, arXiv:0712.2368

(CI–7) Fabien MALBET, Lucas LABADIE, Alessandro SOZZETTI, **Gary A. MAMON**, Mike SHAO, Renaud GOULLIOUD, Alain LÉGER, Mario GAI, Alberto RIVA, Deborah BUSONERO, Thierry LÉPINE, Manon LIZZANA, Alexis BRANDEKER & Eva VILLAVER : Theia: Science cases and mission profiles for high precision astrometry in the future, 2022, dans *SPIE Conf. "Space Telescopes and Instrumentation 2022: Optical, Infrared, and Millimeter Wave"*, Montréal, Canada, arXiv:2207.12540

(CI–8) Y. YANG, F. HAMMER, H. LI, M. S. PAWLOWSKI, H. WANG, C. BABUSIAUX, **G. A. MAMON**, P. C. BONIFACIO, Y. JIAO & H. WANG, Gaia EDR3 proper motions, energies, angular momenta of Milky Way dwarf galaxies: a recent infall to the Milky Way halo, dans *IAU Symposium 379: "Dynamical Masses of Local Group Galaxies"*, arXiv.org:2306.17208

X. Conférences internationales : contributions invitées non-publiées

(CINP–1) The Nature of Compact Groups of Galaxies as Constrained by Cosmology and by X-Ray Observations, 1999, dans *"Interacting Galaxies: in Pairs, Groups and Clusters"*, ed. G.G.C. Palumbo & G. Longo, *Astrophys. Lett. & Comm.*, jamais paru

(CINP–2) The Minimum Velocity Dispersion of Virialized Galaxy Systems: A New Constraint on the Nature of Compact Groups, Juillet 2000, colloque IAP *Constructing the Universe with Clusters of Galaxies*

(CINP–3) The masses of groups of galaxies, Avril 2010, How to weigh clusters of galaxies?, workshop, Leiden, Pays-Bas.

(CINP–4) Joint mass and anisotropy modeling of the Fornax dwarf Spheroidal, Avril 2011, ESO workshop *Dynamics of Low-Mass Stellar Systems: From Star Clusters to Dwarf Galaxies*, Santiago, Chili,

(CINP–5) Fossils from the pre-reionization era: dwarf galaxies and dense groups, Mai 2011, *Cosmo First Objects*, LAM, Marseille

(CINP–6) The predicted & observed frequencies of very young galaxies @ z=0 (trouble for ΛCDM?), Décembre 2014, INAF-CNRS-PICS workshop *Modelling and Simulations of Mechanical AGN Feedback*, Catania, Italie

(CINP–7) The predicted & observed frequencies of very young galaxies @ z=0 (trouble for ΛCDM?), Janvier 2015, *Galaxies: Inside and Out*, IMP, Teheran, Iran

(CINP–8) Mass/orbit modeling of spherical systems: from galaxy clusters to dwarf spheroidals, Août 2016, Amsterdam-Paris-Stockholm workshop, Gouvieux

(CINP–9) Probing the nature of dark matter with Theia: a mission concept with ultra-precise astrometry, Août 2018, IAU symposium 348: *21st Century Astrometry: Crossing the Dark and Habitable Frontiers*, Vienne

(CINP–10) A stellar graveyard in the core of a globular cluster, Avril 2021, XIth Friends-of-friends meeting, Cordoba, Argentine

XI. Conférences internationales : autres contributions orales publiées

(CO–1) **G. A. MAMON** : Compact Configurations within Small Evolving Groups of Galaxies, 1985, *Bulletin of the American Astronomical Society*, **17**, 601.

(CO–2) A. E. GLASSGOLD & **G. MAMON** : Circumstellar Chemistry of Cool Evolved Stars, 1987, dans *IAU Symposium No. 122, "Circumstellar Matter"*, ed. I. Appenzeller & C. Jordan (Dordrecht : Reidel), p. 549–550.

(CO–3) **Gary A. MAMON** : On the Applicability of the Tremaine-Richstone Statistics, 1987, *Bulletin of the American Astronomical Society*, **19**, 651.

(CO–4) **Gary A. MAMON** : Explaining Compact Groups as Chance Alignments, 1990, dans *IAU Colloquium No. 124, "Paired and Interacting Galaxies"*, ed. J. W. Sulentic, W. C. Keel, & C. M. Telesco (Washington : NASA), p. 619–628.

(CO–5) Alain BLANCHARD, David VALLS-GABAUD & **Gary MAMON** : Cosmic Structures : from Mass to Light, 1990, dans *Xth Moriond Astrophysical Meeting: "Particle Astrophysics. The Early Universe and Cosmic Structures"*, ed. J.-M. Alimi, A. Blanchard, A. Bouquet, F. Martin de Volnay & J. Trân Thanh Vân (Gif-sur-Yvette : Editions Frontières), p. 403–410.

(CO–6) **Gary A. MAMON** : Are Cluster Ellipticals Formed by Mergers?, 1992, dans *XIIth Moriond Astrophysics Meeting: "Physics of Nearby Galaxies: Nature or Nurture?"*, ed. T.X. Thuan, C. Balkowski, and J. Trân Thanh Vân (Gif-sur-Yvette : Editions Frontières), p. 329–336.

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(CO–8) **Gary A. MAMON** : The Galaxy Group/Cosmology Connections, 1994, dans *XIVth Moriond Astrophysics Meeting: "Clusters of Galaxies"*, ed. F. Durret, A. Mazure, & J. Tran Thanh Van (Gif-sur-Yvette : Editions Frontières), p. 291–296, arXiv:astro-ph/9406043

(CO–9) **G. MAMON** : Galaxies with the DENIS 2 Micron Survey: A Preliminary Report, 1996, dans *"Spiral Galaxies in the Near-IR"*, ed. D. Minniti & H.-W. Rix (Garching : ESO), p. 195–199, arXiv:astro-ph/9511104

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(CO–11) M.-L. MONTOYA, R. DOMÍNGUEZ-TENREIRO, G. GONZÁLEZ-CASADO, **G.A. MAMON**, E. SALVADOR-SOLÉ : Statistical Determination of the Profiles of Hickson's Compact Groups, 1996, dans *Sesto workshop "Observational Cosmology: From Galaxies to Galaxy Systems"*, ed. G. Giuricin, M. Mezzetti & F. Mardirossian, sous presse

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(CO–13) A. SCHRÖDER, R.C. KRAAN-KORTEWEG, **G. A. MAMON** & S. RUPHY : DENIS Galaxies in the Zone of Avoidance, 1997, dans *XVIIth Moriond Astrophysics Meeting "Extragalactic Astronomy in the Infrared"*, ed. G. A. Mamon, T. X. Thuan & J. Tran Van Thanh (Paris : Frontières), p. 381–386, arXiv:astro-ph/9706093

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(CO–19) Anja SCHRÖDER, Renée C. KRAAN-KORTEWEG & **Gary A. MAMON** : Multi-wavelength observations of galaxies in the Zone of Avoidance, 2000, dans *"Mapping the Hidden Universe: The Universe behind the Milky Way — The Universe in HI"*, ed. R. C. Kraan-Korteweg, P. A. Henning & H. Andernach (San Francisco : A.S.P. [vol. **218**]), p. 119–127, arXiv:astro-ph/0005447

(CO–20) Boudewijn F. ROUKEMA & **Gary A. MAMON** : The large scale structure peak as a comoving standard ruler, 2000, dans *IAU Symp. 201 : "New Cosmological Data and the Values of the Fundamental Parameters"*, ed. A. Lasenby (San Francisco : A.S.P.), p. 38–41

(CO–21) B. F. ROUKEMA & **G. A. MAMON** : Tangential Large Scale Structure Evidence for a Low Density Universe, 2002, dans *Marcel Grossmann IX Conference on General Relativity*, eds V. G. Gurzadyan, R. T. Jantzen & R. Ruffini (Singapore: World Scientific), p. 2085–2086

(CO–22) **Gary A. MAMON** & Boud F. ROUKEMA : Constraints on dark energy and quintessence with a comoving standard ruler applied to 2dF quasars, 2002, dans 18th IAP Astrophysics Colloquium, *On the nature of dark energy*, ed. P. Brax, J. Martin & J.-P. Uzan (Paris: Frontier), p. 229–232, arXiv:astro-ph/0212169

(CO–23) **Gary A. MAMON**, Ewa ŁOKAS & Teresa SANCHIS : Breaking the mass / anisotropy degeneracy in the Coma cluster, 2004, dans *IAU Coll. 195 : "Outskirts of Galaxy Clusters: intense life in the suburbs"*, ed. A. Diaferio (Cambridge: Cambridge Univ. Press), p. 413–417, arXiv:astro-ph/0404415

(CO–24) José M. SOLANES, Teresa SANCHIS, Eduard SALVADOR-SOLÉ & **Gary A. MAMON** : HI view of the Virgo cluster outskirts: implications on galaxy evolution, 2004, dans *IAU Coll. 195 : "Outskirts of Galaxy Clusters: intense life in the suburbs"*, ed. A. Diaferio (Cambridge: Cambridge Univ. Press), p. 401–405

(CO–25) Anja C. SCHRÖDER, Renée C. KRAAN-KORTEWEG, **Gary A. MAMON** & Patrick A. WOUDT : DENIS Detections of Highly Obscured Galaxies in the Area around PKS 1343-601, 2005, dans *"Nearby Large-Scale Structures and the Zone of Avoidance"'*, ASP. Conf. Ser. 329, p. 167–176, arXiv:astro-ph/0407019

(CO–26) **Gary A. MAMON**, Avishai DEKEL & Felix STOEHR : Do the low PN velocity dispersions around elliptical galaxies imply that these lack dark matter?, 2005, dans *"Planetary Nebulae as Astronomical Tools"*, ed. R. Szczerba, G. Stasińska & S. Górny (Melville NY: AIP), p. 345–348, arXiv:astro-ph/0509245

(CO–27) F. STOEHR, **G. A. MAMON**, A. DEKEL & T. J. COX : Lost and Found Dark Matter in Elliptical Galaxies, 2006, dans *XXIst IAP Meeting: "Mass Profiles & Shapes of Cosmological Structures"*, ed. G.A. Mamon, F. Combes, C. Deffayet & B. Fort (Paris : EDP), EAS Pub. Series **20**, p. 135–138, arXiv:astro-ph/0601344

(CO–28) J. BORSENBERGER, B. DE BATZ, S. DERRIÈRE, **G. MAMON**, A. OMONT, G. PATUREL, G.SIMON, I. VAUGLIN : DENIS, a European DEep Near Infrared Survey of the Southern Sky, 2006, dans *Visions for Infrared Astronomy, Instrumentation, Mesure, Métrologie*, vol. 6, no. 1–4, ed. V. Coudé du Foresto, D. Rouan & G. Rousset (Paris: Lavoisier), p. 135–138

(CO–29) Jaroslaw KLIMENTOWSKI, Ewa L. ŁOKAS, Stelios KAZANTZIDIS, Francisco PRADA, Lucio MAYER & **Gary A. MAMON** : Mass Modelling of dwarf Spheroidal Galaxies, 2008, dans IAU Symp. 244 *Dark Galaxies and Lost Baryons*, ed. J. I. Davies & M. J. Disney (Cambridge UK : Cambridge Univ. Press), p. 321–325

(CO–30) **G. A. MAMON** & E. DÍAZ-GIMÉNEZ : The nature of compact groups of galaxies from cosmological simulations, 2010, dans *"Galaxies in Isolation: Exploring Nature vs. Nurture"*, eds. L. Verdes-Montenegro, A. Del Olmo & J. Sulentic (San Fransisco : A.S.P. [vol. **421**]), p. 179–182, arXiv:0909.3953

(CO–31) M. CHODOROWSKI, M. BILICKI, **G. A. MAMON** & T. JARRETT : Is the 2MASS dipole convergent?, 2010, dans 45th Rencontres de Moriond, Cosmology session, arXiv:1006.0359

(CO–32) **G. A. MAMON**, D. TWEED, T. X. THUAN & A. CATTANEO : How do dwarf galaxies acquire their mass and when do they form their stars?, 2011, dans *A Universe of Dwarf Galaxies: Observations, Theories and Simulations*, ed. M. Koleva, P. Prugniel & I. Vauglin (Paris : EDP), EAS Pub. Series **48**, p. 435–440, arXiv:1010.1474

(CO–33) **G. A. MAMON**, S. MAHAJAN, S. RAYCHAUDHURY : Deprojecting the quenching of star formation in and near clusters, 2011, dans JENAM S2 Symposium *Environment and the Formation of Galaxies: 30 years later*, ed. I. Ferreras & A. Pasquali (Berlin: Springer), p. 135–140, arXiv:1012:3114

(CO–34) **G. A. MAMON**, D. TWEED, T. X. THUAN & A. CATTANEO : Predicting the frequencies of young and tiny galaxies, 2012, dans JENAM S3 Symposium *Dwarf galaxies: Keys to galaxy formation and evolution*, ed. P. Papaderos, G. Hensler & S. Recchi (Berlin: Springer), 39–46, arXiv:1103.5349

(CO–35) Maciej BILICKI, Michał CHODOROWSKI, Wojciech HELLWING, Thomas JARRETT, **Gary MAMON** : Precision cosmology with the 2MASS clustering dipole, 2015, XIIIth Marcel Grossman Meeting on General Relativity, arXiv:1211.1246

(CO–36) **G. A. MAMON**, J. CHEVALIER, A. J. ROMANOWSKY & R. WOJTAK : Dark matter inner slope and concentration: from the Fornax dwarf to M87, 2015, dans Proc. IAU Sym-

posium 311, *Galaxy Masses as Constraints of Formation Models*, ed. M. Cappellari & S. Courteau (Cambridge: Cambridge Univ. Press), p. 16–19, arXiv:1410.7175

XII. Autres conférences non-publiées (1er auteur, liste partielle)

(CONP–1) La probabilité d'alignements fortuits de galaxies dans les groupes compacts, Octobre 1990, Montpellier, réunion GdR Cosmologie

(CONP–2) Galaxy Mergers and Elliptical Morphologies in Rich Clusters, 1993, dans *Panchromatic View of Galaxies: Their Evolutionary Puzzle*, Kiel, Allemagne

(CONP–3) Galaxy merger rates in groups and clusters, Décembre 2001, Tenerife, EARA workshop on *Galaxy Mergers*

(CONP–4) Cuspy dark matter in elliptical galaxies?, Juin 2003, workshop on *Galaxy Formation*, Jérusalem

(CONP–5) The rate of galaxy mergers as a function of environment, galaxy mass and position, Juin 2003, workshop on *Galaxy Formation*, Jérusalem

(CONP–6) A standard ruler to constrain Λ and quintessence, Juin 2003, workshop on *Galaxy Formation*, Jérusalem

(CONP–7) Extraction des galaxies DENIS, 2003, Atelier *Virtual Observatory*, Meudon

(CONP–8) Direct mergers, dynamical friction and the morphology density relation, Décembre 2003, EARA workshop on *the Interplay of Galaxy Interactions, Starbursts, Black Holes and Galaxy Formation*, IAP, Paris

(CONP–9) Kinematics of nearby clusters and LAMOST, Avril 2004, Atelier de la Fondation les Treilles, *Evolution des galaxies et grands projets astronomiques en astrophysique*, Tourtour

(CONP–10) New methods of kinematic modeling of spherical systems, Nov. 2007, IAP workshop *Mass profiles in cosmic structures*, Paris

(CONP–11) The dark matter content of elliptical galaxies & groups of galaxies, Fév. 2008, APC workshop *Dark matter on small scales*, Paris

(CONP–12) Do dwarf galaxies prefer the cluster environment?, Mars 2008, Session PNG, Journées PNC-PNG, Paris

(CONP–13) The Nature of Compact Groups of Galaxies, Juin 2008, Workshop on *Galaxy Evolution*, Jérusalem

(CONP–14) Do dwarf galaxies prefer the cluster environment?, Juin 2008, Workshop on *Galaxy Evolution*, Jérusalem

(CONP–15) The frequency of young metal-poor galaxies, Octobre 2008, France-Israel Astrophysics Seminar, Jérusalem

(CONP–16) Mass Modeling of the Fornax Dwarf Spheroidal with 2200 Tracers, Avril 2009, JENAM European meeting, Hatfield, Royaume-Uni

(CONP–17) New Mass Modeling Techniques based on Kinematics and Applied to Ellipticals and Dwarf Spheroidals, Juin 2009, *Unveiling Galaxy Masses*, Kingston, Canada

(CONP–18) Virgo cluster, subgroups & galaxies: prospects with NGVS, Septembre 2009, Atelier *NGVS (Next Generation Virgo Survey)*, Paris

(CONP–19) Several astronomical problems solved by calibrating the distribution in projected phase space with cosmological simulations, Novembre 2009, *Phase Space Workshop on Collisionless Gravitational Dynamics*, Marseille

(CONP–20) The frequency of young metal-poor galaxies, Décembre 2009, France-Israel Astrophysics Seminar, Paris

(CONP–21) Can feedback save Newtonian gravity & ΛCDM from the baryonic Tully-Fisher relation?, Décembre 2011, *Cosmological Streaming, Inflows And Outflows*, Jérusalem, Israel

(CONP–22) Mass-orbit modeling of SDSS isolated galaxies, Juillet 2012, IAP nano workshop, Paris

(CONP–23) Dynamical estimates of the radial profiles of mass & Red Sequence orbital anisotropy of the Coma cluster by non-parametric mass inversion & MAMPOSSt, Mars 2013, *Mass profiles of galaxy clusters: from the core to the outskirts*, Madonna di Campiglio, Italie

(CONP–24) NUM, CLN & MPO, Septembre 2013, workshop on cluster recovery project, Nottingham, Royaume-Uni

(CONP–25) New techniques of mass / orbit modeling & application to galaxies & clusters, Novembre 2013, *GRAVASCO workshop on Dynamics & Kinetic theory of self-gravitating systems*, Institut Henri Poincaré, Paris

(CONP–26) The frequency of young galaxies deduced from analytical and semi-analytical galaxy formation models and SDSS spectral models: over 5 orders of magnitude discrepancy!, Juin 2014, Atelier SF2A *Comment fabrique-t-on une galaxie? L'évolution des baryons dans les halos de matière noire*, Université Denis Diderot, Paris

(CONP–27) Mass-orbit modeling of nearby clusters, Juin 2014, conférence internationale *Future Directions in Galaxy Cluster Surveys*, ENS & IAP, Paris

(CONP–28) Juillet 2014, Do dissipationless cosmological simulations predict the gravitational potential or the dark matter component?, JENAM Symposia 8: Testable solutions to the dark matter problem, theory and observations, Genève

(CONP–29) Septembre 2014, Bologne

(CONP–30) 3rd Gaia Challenge, Barcelone

(CONP–31) Can we better constrain the nature of dark matter with new observations? The Theia mission, Octobre 2016, 4th Gaia Challenge, Stockholm

XIII. Conférences internationales : Posters publiés

(CP–1) **Gary A. MAMON** : Kinematic Modelling of NGC 3379, 1983, dans *IAU Symposium No. 100, "Internal Kinematics and Dynamics of Galaxies"* ed. E. Athanassoula (Dordrecht : Reidel), p. 295–296.

(CP–2) Paul HICKSON, Zoran NINKOV & **Gary A. MAMON** : The Shapes of Compact Groups of Galaxies, 1983, *Bulletin of the American Astronomical Society*, **15**, p. 619.

(CP–3) **Gary A. MAMON** : Biases in Mass Estimates of Groups of Galaxies, 1986, dans *IAU Symposium No. 117, "Dark Matter in the Universe"*, ed. J. Kormendy & G. R. Knapp (Dordrecht : Reidel), p. 114.

(CP–4) **Gary A. MAMON** : Merger Rates in Simulated and Observed Groups of Galaxies, 1988, dans *IAU Symposium No. 130, "Large Scale Structure of the Universe"*, ed. J. Audouze, M.-C. Pelletan, & A. Szalay (Dordrecht : Kluwer), 545.

(CP–5) A. E. GLASSGOLD, **G. A. MAMON**, & P. J. HUGGINS : The Photodissociation of CO in Circumstellar Envelopes, 1988, dans *"Interstellar Matter"*, ed. J. M. Moran & P. T. P. Ho (New York : Gordon and Breach), p. 219–220.

(CP–6) A. E. GLASSGOLD & **G. A. MAMON** : The Distribution of Cyanoacetylene in IRC +10216, 1988, dans *"Interstellar Matter"*, ed. J. M. Moran & P. T. P. Ho (New York : Gordon and Breach), p. 221–222.

(CP–7) **Gary A. MAMON** & Daniel GERBAL : Are Cluster Ellipticals Formed by Mergers?, 1991, dans *IAU Symposium No. 146, "Dynamics of Galaxies and their Molecular Cloud Distributions"*, ved. F. Combes & F. Casoli (Dordrecht : Kluwer), p. 376.

(CP–8) Robin HARMON & **Gary MAMON** : The Detection of Galaxies in Infrared Surveys, 1993, dans *Sky Surveys: Protostars to Protogalaxies*, ed. B.T. Soifer (San Francisco : A.S.P. [vol.**43**]), p. 15–18.

(CP–9) D. VALLS-GABAUD, A. BLANCHARD & **G.A. MAMON** : The Evolution of the Intergalactic Medium and the Origin of the Galaxy Luminosity Function, 1993, dans *The Evolution of Galaxies and their Environment*, ed. D. Hollenbach, J.M. Shull & H.A. Thronson (Washington : NASA), p. 113–114.

(CP–10) Guillermo GONZÁLEZ-CASADO, **Gary A. MAMON**, & Eduard SALVADOR-SOLÉ : Dynamics of Substructures Immersed in Galaxy Clusters, 1994, dans *XIVth Moriond Astrophysics Meeting: "Clusters of Galaxies"*, ed. F. Durret, A. Mazure, & J. Tran Thanh Van (Gif-sur-Yvette : Editions Frontières), p. 395–396.

(CP–11) M.-L. MONTOYA, R. DOMÍNGUEZ-TENREIRO, G. GONZÁLEZ-CASADO, **G.A. MAMON**, E. SALVADOR-SOLÉ : The Structure of Compact Groups of Galaxies, 1995, dans *"Clustering in the Universe"*, ed. A. Blanchard, S. Maurogordato & J. Tran Thanh Van (Gif-sur-Yvette : Editions Frontières), p. 559–561

(CP–12) P. HÉRAUDEAU, F. SIMIEN & **G.A. MAMON** : Multiband Analysis of Central-Region Features, 1996, dans *"Spiral Galaxies in the Near-IR"*, ed. D. Minniti & H.-W. Rix (Garching : ESO), p. 248–249.

(CP–13) B. LANZONI, **G.A. MAMON** & B. GUIDERDONI : Dark Matter Halos Merging Trees: the Merging Cell Model in a CDM Cosmology, 2000, dans *XVth IAP Meeting on "Dynamics of Galaxies: from the Early Universe to the Present"*, ed. F. Combes, G.A. Mamon & V. Charmandaris (San Francisco: ASP [vol. **197**]), p. 137–138

(CP–14) E. L. ŁOKAS & **G. A. MAMON** : Properties of galaxies with universal density profile, 2001, dans "The Evolution of Galaxies. I. Observational Clues", ed. J. M. Vilchez, G. Stasinska & E. Perez (Dordrecht : Kluwer), (*Ap. Sp. Sci.*, **277**, 477)

(CP–15) R. WOJTAK, E. ŁOKAS, S. GOTTLÖBER & **G. MAMON** : Velocity moments of dark matter haloes, 2006, *21st IAP Colloquium on "Mass Profiles and Shapes of Cosmological Structures"*, ed. G.A. Mamon, F. Combes, C. Deffayet & B. Fort (Paris: EDP), EAS Pub. Series **20**, p. 301

(CP–16) S. A. KASSIN, B. WEINER, C. WILLMER, R. WECHSLER, S. FABER, D. KOO, J. PRIMACK, **G. MAMON** & A. DUTTON : The DEEP2 Galaxy Velocity Function: Probing Galaxy & Dark Halo Evolution to $z \sim 1$, 2007, *Bulletin of the American Astronomical Society*, **211**, 52.07

(CP–17) A. A. HAKOBYAN, A. R. PETROSIAN, **G. A. MAMON**, B. MCLEAN, D. KUNTH, M. TURATTO, E. CAPPELLARO, F. MANNUCCI, R. J. ALLEN, N. PANAGIA, M. DELLA VALLE & G. V. PETROSYAN : Five Supernova Survey Galaxies in the Southern Hemisphere: Supernova Ia Rate, 2011, dans *IAU Symp. 281, "Binary Paths to type Ia Supernovae Explosions"*, ed. R. Di Stefano & M. Orio, arXiv:1107.3044

XIV. Conférences nationales publiées

(CN–1) **Gary A. MAMON** & Ewa L. ŁOKAS : ΛCDM dark matter in elliptical galaxies?, 2004, SF2A meeting, 160

(CN–2) G. BOUÉ, F. DURRET & **G. MAMON** : Optimization of source extraction & galaxy luminosity function of the cluster of galaxies Abell 85, 2006, SF2A meeting, p. 253

(CN–3) I. VAUGLIN, P. PRUGNIEL, H. COURTOIS, D. MAKAROV, C. PETIT, **G. MAMON** & G. PATUREL : Capabilities of the HYPERLEDA database, 2006, SF2A meeting, p. 365

(CN–4) G. BOUÉ, F. DURRET, C. ADAMI, **G. MAMON**, O. ILBERT & V. CAYATTE : An optical view of the 4 Mpc X-ray filament of Abell 85, 2008, SF2A meeting, p. 365

XV. White papers

(WP–1) Section Univers du chapitre Univers, Noyaux & Particules, rapport de conjoncture CNRS, 1992, avec J. Schneider

(WP–2) Cosmological surveys since 2002, 2005, pour le PNC

(WP–3) Qu'apporteront DUNE et SPACE à la communauté PNG ?, 2008, pour le PNG

(WP–4) Dark matter in the Universe, 2008, pour le PNCG (avec G. Chardin)

(WP–5) ESA Voyage 2050 white paper – Faint objects in motion: the new frontier of high precision astrometry, 2019, F. Malbet et al. (31 auteurs), arXiv:1910.08028

XVI. Articles de vulgarisation

(V–1) **Gary MAMON** : Controverses sur les groupes compacts de galaxies, 1996, *Quintesciences*, **8**, 5–6

(V–2) **Gary MAMON** : Chandra, 2002, *L'Astronomie*, **116**, 468–471

(V–3) **Gary MAMON** : La matière noire dans l'Univers, 2006, *L'Astronomie*, **120**, 602–609

(V–4) André KLARSFELD & **Gary MAMON** : Pour comprendre la pandémie, les courbes valent mieux que les avalanches de chiffres, 2020, *The Conversation*, 1er avril 2020

XVII. Conférences de vulgarisation

(CV–1) The distant Universe, Octobre 1979, Princeton University

(CV–2) La cosmologie de Maïmonide, Octobre 1995, Institut d'Astrophysique.

(CV–3) Les formes des galaxies et leurs origines, Septembre 1996, Institut d'Astrophysique.

(CV–4) L'Univers en questions, Octobre 1996, Institut d'Astrophysique (dans le cadre de la Science en Fête).

(CV–5) La matière noire dans l'Univers, Mars 2006, Société Astronomique de France, *conférence invitée*

(CV–6) Un jour tu seras grand(e) : la croissance des galaxies, Novembre 2009, Institut d'Astrophysique, *conférence invitée* (vidéo sur Web : http://www.cerimes.fr/le-catalogue/un-jour-tu-seras-grand-e-la-croissance-des-galaxies.html)

(CV–7) Un jour tu seras grand(e) : la croissance des galaxies, Juin 2012, Société Astronomique de Lyon, *conférence invitée*

(CV–8) L'évolution dynamique de l'Univers : des grandes structures aux petits groupes de galaxies, Janvier 2018, Collège de France, *conférence invitée*

(CV–9) Comment les galaxies deviennet t-elles infertiles (à former des étoiles) ?, Mars 2022, Vélizy-Associations, *conférence invitée*

XVIII. Cours donnés

(C–1) Astronomy for Journalists, Avril 1986 (4h), New York University

(C–2) Electromagnetism, Printemps 1987 (60h), New York University

(C–3) Tout ce que vous avec toujours voulu savoir sur UNIX sans jamais oser le demander, Février 1993 (2h30), DAEC, Observatoire de Meudon.

(C–4) Comment Extraire un Catalogue Homogène de Galaxies des Images DENIS ?, Septembre 1993 (1h), École de Cosmologie, Centre de Physique Théorique, Luminy.

(C–5) L'Univers en infra-rouge proche et le survey DENIS, Septembre 1994 (2h), École de Cosmologie, Centre de Physique Théorique, Luminy.

(C–6) Tout ce que vous avec toujours voulu savoir sur UNIX sans jamais oser le demander, Avril 1995 (3h30), Institut d'Astrophysique.

(C–7) L'Univers en infra-rouge proche et le survey DENIS, Novembre 1995 (1h), École de Cosmologie, Garchy

(C–8) Groupes compacts et cosmologie, Novembre 1995 (1h), École de Cosmologie, Garchy

(C–9) La dynamique de groupes et amas de galaxies, Septembre 1998 (4h30), École de Cosmologie, Centre de Physique Théorique, Luminy

(C–10) Dynamique gravitationnelle des systèmes sphériques en astrophysique : amas globulaires, galaxies elliptiques et amas de galaxies, Janvier–Mars 2000 (18h), DEA Astronomie Fondamentale, Mécanique Céleste et Géodésie, Paris

(C–11) Dynamique gravitationnelle des systèmes à N-corps : amas globulaires, galaxies elliptiques et amas de galaxies, 2001–2009 (9×16h), Cours Master 2nde année, École Doctorale d'Astronomie & Astrophysique d'Ile de France, Paris

(C–12) La cinématique interne des amas de galaxies et des galaxies elliptiques : Comment est distribuée la matière noire ?, Avril 2004 (1h), Cours post-DEA, École Doctorale d'Astronomie & Astrophysique d'Ile de France, Paris

(C–13) La matière noire dans les galaxies elliptiques et amas de galaxies : Comment est distribuée la matière noire ?, Avril 2006 (1h), Cours post-Master, École Doctorale d'Astronomie & Astrophysique d'Ile de France, Paris

(C–14) Les effets d'environnement sur les galaxies, Avril 2008 et Avril 2010, Cours post-Master (1h), École Doctorale d'Astronomie & Astrophysique d'Ile de France, Paris

(C–15) Galaxy Formation, Octobre 2010 (1h30), International School for Young Astronomers (ISYA), Byurakan, Arménie

(C–16) Mass modeling using internal motions, Octobre 2010 (1h30), International School for Young Astronomers (ISYA), Byurakan, Arménie

(C–17) Formation et évolution des galaxies : enjeux, résultats et perspectives, Octobre 2015 (1h), UPMC (*conférence invitée* dans le cycle *Horizon Sciences* devant plusieurs classes de L1)

(C–18) Newton est (presque) partout ! La gravitation dans l'Univers, Septembre 2016 (1h), UPMC (*conférence invitée* dans le cycle *Horizon Sciences* devant plusieurs classes de L1)

(C–19) L'évolution dynamique de l'Univers : des grandes structures aux petits groupes de galaxies, Janvier 2018, conférence invitée (1h) au *Collège de France* dans le cycle de cours donné par Françoise Combes

(C–20) Clusters of Galaxies: properties and galaxy properties (4h), Septembre 2019, AKSS school of Astrophysics, Spetses, Grèce, niveau doctorant

(C–21) Gravitation of extended bodies and Dynamics of galaxies, 2021-2022+ ($2 + \times$11h30), Cours de Master 1ere année, Master observatoire de Paris

(C–22) nombreux cours (total 31h) en Écoles Maternelle, Primaire et Secondaire

XIX. Thèses

(T–1) A Study of the Solar Variability, thèse de S.B. (licence), Département de Physique, *Massachusetts Institute of Technology*, Juin 1979.

(T–2) Compact Configurations within Small Evolving Groups of Galaxies, thèse de Ph.D. (doctorat), Département de Sciences Astrophysiques, *Princeton University*, Avril 1985.

(T–3) Statistique des interactions dans l'Univers : des molécules aux galaxies, thèse d'habilitaton à diriger des recherches, Département d'Applications de la Physique (UFR 924), *Université Pierre & Marie Curie (Paris 6)*, Juillet 2000.

XX. Séminaires invités

(SI–1) Compact groups of galaxies, Mai 1985, New York University (Etats-Unis), *séminaire invité*

(SI–2) Are compact groups of galaxies physically dense?, Septembre 1987, Columbia University (New York, Etats-Unis), *séminaire invité*

(SI–3) Les elliptiques d'amas sont-elles produits de fusions?, Juillet 1991, DARC, Observatoire de Meudon, *séminaire invité*

(SI–4) Les elliptiques d'amas sont-elles produits de fusions?, Février 1992, Institut d'Astrophysique de Paris, *séminaire invité*

(SI–5) Les elliptiques d'amas sont-elles produits de fusions?, Mai 1992, Observatoire de Lyon, *séminaire invité*

(SI–6) The dynamics of groups and clusters of galaxies, Avril 1993, Sterrwacht Leiden (Pays-Bas), *séminaire invité*

(SI–7) Dynamique des groupes et amas et évolution morphologique des galaxies, Mai 1993, Observatoire de Meudon (séminaire de l'observatoire) , *séminaire invité*

(SI–8) The nature and masses of groups of galaxies, Novembre 1993, Landeswarte Heidelberg (Allemagne), *séminaire invité*

(SI–9) Groupes de galaxies et cosmologie, Mai 1994, École Normale Supérieure de Lyon, *séminaire invité*

(SI–10) La nature des groupes compacts de galaxies contrainte par la cosmologie et les observations en rayons X, Février 1996, Laboratoire Astronomique Spatiale (Marseille), *séminaire invité*

(SI–11) Galaxies et cosmologie avec le sondage DENIS et les suivis spectroscopiques à Nançay et avec le 6dF en Australie, Mai 1998, DAEC, Observatoire de Meudon, *séminaire invité*

(SI–12) Origine et structure des galaxies de type précoce, Mars 2001, Observatoire de Bordeaux, *séminaire invité*

(SI–13) Applications cosmologiques des relevés d'imagerie en proche IR DENIS et des suivis spectroscopiques 3D et 4D avec l'instrument 6dF, Mars 2001, Observatoire Midi-Pyrénées (Toulouse), *séminaire invité*

(SI–14) Origine et structure des galaxies de type précoce, Mars 2001, Observatoire Midi-Pyrénées (Toulouse), *séminaire invité*

(SI–15) La cinématique interne des galaxies elliptiques et des amas de galaxies confrontées aux simulations cosmologiques, Déc 2003, CRAL, Lyon, *séminaire invité*

(SI–16) L'origine de la déficience en HI des spirales devant ou derrière l'amas de Virgo, Décembre 2004, GEPI, Observatoire de Paris-Meudon, *séminaire invité*

(SI–17) Y a t-il un manque de matière noire dans les galaxies elliptiques ?, Avril 2005, LERMA, Observatoire de Paris-Meudon, *séminaire invité*

(SI–18) Les galaxies elliptiques ont-elles des halos de matière noire ?, Octobre 2005, Observatoire de Besançon, *séminaire invité*

(SI–19) Les galaxies elliptiques ont-elles des halos de matière noire ?, Décembre 2005, Institut d'Astrophysique de Paris, *séminaire invité*

(SI–20) Les galaxies elliptiques ont-elles des halos de matière noire ?, Avril 2006, Observatoire Astronomique de Marseille-Provence, *séminaire invité*

(SI–21) The dark matter and total mass profiles of dwarf spheroidal and elliptical galaxies, and groups and clusters of galaxies, Novembre 2006, Universidad Autonoma de Madrid, *séminaire invité*

(SI–22) The dark matter and total mass profiles of dwarf spheroidal and elliptical galaxies, and groups and clusters of galaxies, Mars 2007, Osservatorio di Capodimonte (Naples, Italie), *séminaire invité*

(SI–23) The nature of compact groups of galaxies revealed by cosmological simulations, Septembre 2008, University of Oxford (Royaume-Uni), *séminaire invité*

(SI–24) The distribution of dark matter in spheroidal astrophysical systems: dwarf spheroidals and giant elliptical galaxies, groups and clusters of galaxies, Octobre 2008, University of Bristol (Royaume-Uni), *séminaire invité*

(SI–25) Extreme galaxy systems or optical illusions? The nature of compact groups of galaxies, Décembre 2008, Royal Astronomical Society, Londres (Royaume-Uni), *séminaire invité*

(SI–26) The distribution of dark matter in spheroidal systems from internal motions: dwarf spheroidals and elliptical galaxies, groups and clusters of galaxies, Janvier 2009, Observatoire de Strasbourg, *séminaire invité*

(SI–27) The distribution of dark matter in spheroidal systems from internal motions: dwarf spheroidals and elliptical galaxies, groups and clusters of galaxies, Mars 2009, University of Oxford, *séminaire invité*

(SI–28) The distribution of dark matter in spheroidal systems from internal motions: dwarf spheroidals and elliptical galaxies, groups and clusters of galaxies, Mai 2009, University of London, Imperial College, *séminaire invité*

(SI–29) The distribution of dark matter in spheroidal systems from internal motions: dwarf spheroidals and elliptical galaxies, groups and clusters of galaxies, Juin 2009, University of Liverpool John Moores, *séminaire invité*

(SI–30) The distribution of dark matter in spheroidal systems from internal motions: dwarf spheroidals and elliptical galaxies, groups and clusters of galaxies, Septembre 2009, Mullard Space Sciences Laboratory, *séminaire invité*

(SI–31) Comment les galaxies acquierent-elles leur masse et quand se forment les etoiles des galaxies naines ?, Mai 2010, LERMA, Observatoire de Paris, *séminaire invité*

(SI–32) How do galaxies get their mass and when do they form their stars?, Octobre 2010, Osservatorio Astronomico di Trieste (Italie), *séminaire invité*

(SI–33) How do galaxies acquire their mass?, Novembre 2010, DARK, Copenhague (Danemark), *séminaire invité*

(SI–34) La distribution de matière noire dans les systèmes astrophysiques par leurs mouvements internes, des amas de galaxies aux groupes, galaxies elliptiques galaxies spirales et galaxies naines sphéroïdales, Mars 2011, SPP, Saclay, *séminaire invité*

(SI–35) How do galaxies acquire their mass? Mai 2011, Observatoire de Genève & Laboratoire d'Astrophysique de l'EPFL, *séminaire invité*

(SI–36) How do galaxies acquire their mass? Novembre 2011, GEPI, Observatoire de Paris, *journal club invité*

(SI–37) Newton's problem revisited: recovering dark matter mass profiles and tracer orbits from line-of-sight kinematical data with applications to galaxies and clusters, Décembre 2013, Université de Virginie & NRAO à Charlottesville (Etats-Unis), *séminaire invité*

(SI–38) Spherical mass/orbit modeling in galaxies & clusters: constraints on the radial distribution of dark matter, Octobre 2015, Oskar Klein Center for Cosmology for Cosmoparticle Physics, Université de Stockholm (Suède), *séminaire invité*

(SI–39) Understanding dark matter with ultra-fine astrometry, Décembre 2018, Institut de Mécanique Céleste et de Calcul des Éphémérides (IMCCE), Observatoire de Paris, *séminaire invité*

(SI–40) What is dark matter?, Mars 2021, University of Bristol Chaos society (Royaume-Uni), *séminaire invité* (jointe avec Carlos Frenk et Licia Verde) You Tube

(SI–41) A stellar graveyard in the core of a globular cluster, Avril 2021, LERMA, Observatoire de Paris, *séminaire invité* (par vidéo), 1ère partie et 2nde partie

(SI–42) Mass-orbit modeling of galaxy & star clusters: orbital shapes by galaxy type and an inner concentration of stellar black holes in a nearby globular cluster, Juin 2021, Université Hébraïque de Jérusalem (Israël), *Astro-lunch invité* (par vidéo)

(SI–43) A stellar graveyard in the core of a globular cluster, Octobre 2021, Armagh Observatory & Planetarium (Royaume-Uni) *séminaire invité* (par vidéo)

(SI–44) Galaxy formation in our backyard: the frequency, proprties and formation of Very Young Galaxies in the local Universe, Sept. 2021, Journal Club Galaxies, IAP, *journal club invité*

(SI–45) What lurks in the centers of globular clusters: intermediate-mass black holes, stellar mass black holes, compact stars, or nothing special?, Janv. 2022, International Center for Theoretical Physics (ICTP), Trieste, *séminaire invité*

(SI–46) What lurks in the cores of globular clusters: white dwarfs, black holes (stellar or intermediate) or nothing special?, Avril 2022, Instituto de Astronomia, Geofísica e Ciências Atmosféricas (IAG), Univ. de Sao Paulo (Brésil), *séminaire invité* (par vidéo) You Tube

XXI. Autres séminaires

(S–1) The shapes of compact groups of galaxies, Avril 1983, Princeton University (Etats-Unis)

(S–2) Are compact groups physically dense?, Août 1985, Dominion Astrophysical Observatory (Canada)

(S–3) Les groupes compacts sont-ils physiquement denses?, Octobre 1985, Institut d'Astrophysique de Paris

(S–4) La dynamique des groupes de galaxies, Octobre 1985, DAEC, Observatoire de Meudon

(S–5) Are compact groups physically dense?, Octobre 1985, Kapteyn Institut (Groningen, Pays-Bas)

(S–6) Les groupes compacts de galaxies, Octobre 1985, Observatoire de Lyon

(S–7) Les groupes compacts de galaxies, Octobre 1985, Observatoire de Grenoble

(S–8) Les groupes compacts de galaxies, Avril 1986, Observatoire de Toulouse

(S–9) The chemistry of circumstellar envelopes, Février 1987, Harvard-Smithsonian Center for Astrophysics (Etats-Unis)

(S–10) La chimie des enveloppes circumstellaires, Juin 1987 DASGAL, Observatoire de Meudon

(S–11) POST: a polar specialized telescope, Février 1989, New York University (Etats-Unis)

(S–12) Are cluster ellipticals formed by mergers?, Mai 1991, University of California at Berkeley (Etats-Unis)

(S–13) Compact groups of galaxies, Décembre 1991, Universitat de Barcelona (Espagne)

(S–14) The DENIS 2 micron survey, Décembre 1991, Universitat de Barcelona (Espagne)

(S–15) Cosmic mass and luminosity functions and the thermal history of the IGM, Avril 1992, Universita di Roma 2 (Italie)

(S–16) The DENIS 2 micron survey, Juin 1992, New York University (Etats-Unis)

(S–17) Are cluster ellipticals the products of mergers?, Décembre 1992, Princeton University (Etats-Unis)

(S–18) Les premières contributions de Hubble, Février 1993, Observatoire de Meudon (séminaire Histoire de la Cosmologie)

(S–19) Cosmological infall, tidal shocks, galaxy mergers, and the formation of ellipticals in clusters of galaxies, Février 1993, Universitat de Barcelona (Espagne)

(S–20) Le projet DENIS et ses applications extra-galactiques, Juin 1993, Observatoire Midi-Pyrénées (Toulouse)

(S–21) La cosmologie de Maïmonide, Octobre 1993, Observatoire de Meudon (séminaire Histoire de la Cosmologie)

(S–22) How to determine the cosmological state and mass of a given group of galaxies, Janvier 1994, Max Planck Institut für Astrophysik, Garching (Allemagne)

(S–23) How to determine the cosmological state and mass of a given group of galaxies, Février 1994, New York University, New York (Etats-Unis)

(S–24) How to determine the cosmological state and mass of a given group of galaxies, Février 1994, Harvard-Smithsonian Center for Astrophysics, Cambridge (Etats-Unis)

(S–25) How to determine the cosmological state and mass of a given group of galaxies, Février 1994, University of Alabama, Tuscaloosa (Etats-Unis)

(S–26) The DENIS 2 micron survey, Janvier 1995, Osservatorio di Roma, Monteporzio (Italie)

(S–27) The DENIS 2 micron survey and its extragalactic applications, Avril 1995, Center for Particle Astrophysics, University of California, Berkeley (Etats-Unis)

(S–28) The DENIS 2 micron survey, Avril 1995, Lawrence Berkeley Laboratories (Etats-Unis)

(S–29) Groups of galaxies and cosmology, Avril 1995, Lawrence Berkeley Laboratories (Etats-Unis)

(S–30) A unified theory of groups of galaxies, Avril 1995, University of Michigan (Etats-Unis)

(S–31) The FLAIR-DENIS Survey, Décembre 1996, Anglo-Australian Observatory à Coonabarabran (Australie)

(S–32) The 6DF: Large spectroscopic survey of DENIS NIR-selected galaxies with a new robotic multi-fibre instrument on the UK Schmidt Telescope, Septembre 1997, Institute of Astronomy, Université de Cambridge (Royaume-Uni)

(S–33) Counting galaxies with the DENIS NIR survey, Mars 1998, Observatoire du Mont-Stromlo (Australie)

(S–34) Measuring Omega and Lambda with a standard comoving ruler, Novembre 2000, Department of Astronomy, University of Leicester (Royaume-Uni).

(S–35) Cosmology and extragalactic science with the DENIS near-IR survey and its spectroscopic followups, Décembre 2000, CAMK, Varsovie (Pologne)

(S–36) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Septembre 2001, IAG, Sao Paolo (Brésil)

(S–37) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Septembre 2001, Osservatorio Nacional, Rio de Janeiro (Brésil)

(S–38) Formation, dynamical evolution and structure of early-type galaxies, Octobre 2001, CAMK (Varsovie)

(S–39) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Novembre 2001, University of Birmingham (Royaume Uni)

(S–40) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Avril 2002, Osservatorio di Brera, Milan (Italie)

(S–41) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Mai 2002, University of New South Wales, Sydney (Australie)

(S–42) Dark matter in elliptical galaxies: bringing together observations and cosmological simulations, Mai 2002, ATNF, Epping (Australie)

(S–43) A strong constraint on Omega, Lambda and possible quintessence using 2dF quasar structures as standard rulers, Mai 2002, Mount Stromlo & Siding Spring Observatories, Canberra (Australie)

(S–44) The dynamics of groups of galaxies and links to cosmology, Avril 2003, Torun (Pologne)

(S–45) Cinématique interne des amas de galaxies : distribution de matière noire et origine des galaxies déficientes en Hydrogène neutre, Avril 2004, IAP

(S–46) Do elliptical galaxies have dark matter?, Mars 2005, CAMK, Varsovie (Pologne)

(S–47) Do elliptical galaxies have normal contents of dark matter?, Avril 2005, Obs. du Mt Stromlo, Canberra (Australie)

(S–48) Do elliptical galaxies have normal contents of dark matter?, Avril 2005, Obs. Anglo-Australien, Epping (Australie)

(S–49) Do elliptical galaxies bathe in dark matter halos?, Octobre 2005, University of Birmingham (Royaume-Uni)

(S–50) Do elliptical galaxies bathe in dark matter halos?, Février 2006, Osservatorio Astronomico di Trieste (Italie)

(S–51) Compact groups of galaxies from the Millennium Simulations, Juin 2006, Université Hébraïque de Jérusalem

(S–52) Do dwarf galaxies prefer clusters?, Avril 2008, University of Oxford (Royaume-Uni)

(S–53) The nature of compact groups of galaxies revealed by cosmological simulations, Septembre 2008, University of Birmingham (Royaume-Uni)

(S–54) The dark matter distribution in galaxies and clusters with new dynamical mass modeling methods, Novembre 2008, University of Cambridge (Royaume-Uni)

(S–55) Calibration of projection effects with cosmological simulations: 1) Does the Hubble flow bias estimates of cluster concentration and velocity anisotropy? 2) Recent star formation fraction as a function of physical radius and orbit, Février 2010, IAP [journal club équipe Galaxies]

(S–56) Current Issues on Dark Matter in Galaxies *Dark Matter Awareness Week*, Décembre 2010, IAP [journal club équipe Galaxies]

(S–57) A three-dimensional view of the quenching of star formation in clusters, Mars 2011, Lab. Astrophysique de Marseille [cafe club]

(S–58) Fundamental issues addressed by a toy model of galaxy formation, Juin 2011, Universitat de Barcelona (Espagne)

(S–59) How do galaxies acquire their mass? & is the baryonic Tully-Fisher relation a serious threat to Newtonian gravity in a LambdaCDM Universe?, Septembre 2011, MIT Astrophysics colloquium (Etats-Unis)

(S–60) Why don't galaxies in compact groups show more signs of interaction?, Mai 2012, IAP [journal club équipe Galaxies]

(S–61) Interacting galaxies in the local Universe: mergers or flybys?, Décembre 2013, Harvard Center for Astrophysics, X-ray division

(S–62) Virialized groups and compact groups of galaxies, Novembre 2014, Osservatorio Astronomico di Trieste (Italie)

(S–63) Galaxy fertility: nature versus nurture, Janvier 2017, University of Victoria (Canada)

(S–64) Galaxies in small isolated dense groups: The properties, nature and formation of compact groups, Janvier 2017, Herzberg Institute of Astrophysics (Canada)

(S–65) Galaxy fertility: nature versus nurture, Janvier 2017, University of British Columbia (Canada)

(S–66) The fertility of galaxies: nature or nurture?, Septembre 2017, Observatoire Astronomique de Cordoba (Argentine)

(S–67) The fertility of galaxies: nature or nurture?, Septembre 2017, Université de São Paulo (Brésil)

(S–68) Mass modeling of the dwarf galaxy without dark matter, NGC 1052 DF2: the effects of priors, Décembre 2018, IAP [ICAP nano-workshop mensuel]

(S–69) Dark Matter, galaxy orbits & scaling relations in nearby galaxy clusters, Juillet 2019, Univ. Féderal do Rio Grande do Sul (Brésil)

(S–70) What do the internal kinematics of clusters teach us about mass profiles, galaxy orbits & internal scaling relations?, Avril 2020, IAP [journal club équipe Galaxies] (par vidéo)

(S–71) Modeling the evolution of COVID-19 in France, Mai 2020, IAP [journal club équipe Univers] (par vidéo)

(S–72) The nature and assembly channels of the densest isolated galaxy systems, Décembre 2020, IAP [journal club équipe Galaxies] (par vidéo)