

Jean-Paul KNEIB — Concours DR2 14/01

Né le 28 Juillet 1967 à Sisteron, France
Français — Marié — 4 enfants



Adresse Professionnelle

en Californie (mis à disposition)

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Position Actuelle

Août 2002 - Juillet 2004: Mis à disposition à l'Université de Caltech, Californie, USA, au sein du département d'Astronomie, dans le groupe de Richard Ellis.

Janvier 96 - : Chargé de Recherche (CNRS-CR1) au Laboratoire d'Astrophysique (OMP/UMR5572).

Sujets de Recherche: Lentilles Gravitationnelles, Evolution des Galaxies, Amas de Galaxies et Cosmologie.

Formation

Septembre 90 - Février 93: Thèse d'Astrophysique de l'Université Paul Sabatier (Toulouse), à l'OMP. —
Titre: "Arcs multiples et arçlets comme diagnostic de la distribution de masse dans les amas de galaxies".
— *Sous la direction de*: Bernard Fort/Yannick Mellier.

89-90 : D.E.A d'Astrophysique, Géophysique & Techniques Spatiales au CESR, Toulouse

87-90 : Diplôme d'Ingénieur : Sup'Aéro — Aérodynamique & Techniques Spatiales.

Expériences Professionnelles

Juillet 2003: Astronome visiteur au Keck Telescope (Hawaii)

Novembre 2000: Chercheur invité à l'ESO-Santiago (Chili) — *Collaborateur*: Danielle Alloin.

Juin 1999: Chercheur invité au MPA, Garching (Allemagne) — *Collaborateur*: Peter Schneider.

Août 94 - Déc. 95: Post-Doc à l'Institut d'Astronomie, Cambridge, UK. — *Superviseur*: Richard Ellis.

Mars 93 - Juillet 94: CSNA au sein du département d'Astronomie de l'observatoire de l'ESO/La Silla, Chili. — *Superviseur*: Jorge Melnick.

Avril - Août 90: stage de DEA au CCAR (Colorado Center for Astrodynamics Research; Boulder, Colorado, USA): "Etudes des forces de surfaces sur l'orbite d'un satellite d'observation type SPOT".

Juillet - Sept. 89: stage ingénieur au "Low Temperature Laboratory", Helsinki, Finlande.

Connaissances

- **Langues**: Français, Anglais bilingue, Espagnol courant, Allemand base.
- **Informatique**: Systèmes Unix/Linux (administration); Grappe de PC/Linux; Fortran, C, PERL, HTML, LaTeX, Logiciel d'Astronomie: IRAF, MIDAS, GILDAS, GISSEL.
- **Astronomie - Observations**: Observateur régulier sur les grands télescopes Optique/Infrarouge CFHT, HST, ESO et Keck (imagerie/photométrie/spectroscopie).
Bonnes connaissances des observations MIR/Submm/mm/radio/X-ray.
- **Astronomie - Réduction de données**: Grande expérience avec les données optiques, bonne connaissance des données Infrarouge et X, connaissance de base des données interférométriques.

Activités Professionnelles

projet COSMOS

COSMOS est un programme "Treasury" accepté pour les cycles 12 et 13 du télescope spatial Hubble. Ce projet d'envergure a pour but d'analyser l'évolution et la formation des galaxies en fonction de la distribution des grandes structures de l'Univers. Pour cela un champ d'environ 2 degrés carrés sera imagé au cours de 600 orbites. Au sein de ce projet, je suis responsable de 2 aspects clefs:

- la coordination des études concernant l'analyse "weak lensing" dans ce champ.
- la coordination du suivi spectroscopique avec l'instrument VIMOS du VLT de près de 100 000 galaxies.

Contrats de Recherche

- Responsable d'un contrat de recherche *CNRS/Royal-Society* entre Toulouse et Cambridge (UK): "Amas de Galaxies comme Télescopes Gravitationnels" (1998-1999).
- Responsable d'un contrat de recherche *Alliance # 00161XM* (MAE/British-Council) entre Toulouse et Durham (UK): "Étude et Analyse du Premier Échantillon d'Amas de Galaxies Lentilles" (2000-2002).
- Responsable d'un contrat de recherche *CNRS/Conycit # 8730* entre Toulouse et Santiago (Chili): "Mirages Gravitationnels avec le VLT: Distribution de la Matière noire et Contraintes Cosmologiques" (2000).
- Responsable d'un contrat de recherche ATI "Observations *XMM-Newton* d'Amas de Galaxies Lentilles: de Nouvelles Contraintes Cosmologiques" (2000-2001).
- Responsable d'un contrat de recherche *ECOS-Sud #* (ECOS/Conycit) entre Toulouse et Santiago (Chili): "Observations fines et profondes avec les télescopes VLT de l'ESO" (2001-2003).

Réseau Européen

J'étais le responsable Toulousain du réseau européen (TMR) "LENSNET" *Gravitational Lensing: New constraints on Cosmology and The Distribution of Dark Matter* (<http://www.ast.cam.ac.uk/IoA/lensnet/>).

Ce réseau a regroupé 5 instituts (University of Cambridge (GB), Observatoire Midi-Pyrénées (F), MPA für Astrophysik Garching (D), IAP/Observatoire de Paris (F), et Kapteyn Astronomical Institute (NL)) pendant 5 ans (03/1998-03/2003) :

Je suis co-responsable Français du réseau européen (TMR) "GRBNET" *Gamma-Ray Bursts: An Enigma and a Tool*.

Ce réseau regroupe 8 instituts (Amsterdam, Copenhague, Garching, Jerusalem, Stockholm, Toulouse et Trieste) pour une période de 4 ans.

Commision mixte MAE/INSU sur les CSN

Sur la période 1996-2001, j'ai participé à la commision mixte MAE/INSU qui se réunit deux fois par an pour sélectionner les candidats CSN à affecter à un poste dans les TGE d'astronomie. Du fait de la suppression du Service National cette commision a pris fin en 2001.

Comité des Programmes de l'IRAM

Sur la période 1999-2002, j'ai participé au comité des programmes de l'IRAM qui se réunit tous les 6 mois pendant 2 jours (généralement à Grenoble). Pour chaque réunion j'évaluais toutes les propositions d'observations extragalactiques proposées au Plateau de Bure et au 30m de l'IRAM.

Panel Extragalactique du Hubble Space Telescope (NASA/ESA)

Participation à l'évaluation des propositions d'observations extragalactiques du télescope spatial Hubble:

- pour le cycle 11: novembre 2001 (contingent ESA)
- pour le cycle 12: mars 2003 (contingent NASA)
- pour le cycle 13: mars 2004 (contingent NASA)

Astronomy Working Group de l'ESA

Depuis le début de l'année 2002, je fais partie de l'Astronomy Working Group de l'Agence Spatiale Européenne et ce pour une durée de 3 ans. Ce groupe de travail se réunit 3 à 4 fois par an pour donner des recommandations scientifiques sur les diverses missions de l'ESA en cours et futures.

Groupe Ad'hoc Astrophysique du CNES

Depuis mi-2002, je fais partie du groupe Ad'hoc Astrophysique du CNES chargé d'évaluer les propositions de missions astrophysiques.

Membre de comité d'experts

Membre du comité d'experts pour la mise en place de la base de données Amas de Galaxies BAX (<http://webast.ast.obs-mip.fr/bax/>).

Webmaster 1996-1999

Pendant 3 ans, j'ai eu le rôle de "webmaster" de l'UMR 5572. J'ai donc organisé la mise en place du serveur web (PC-Linux) et de la page "WEB" de l'UMR 5572 (<http://webast.ast.obs-mip.fr/>). Nous avons développé des utilitaires (CGI) permettant de gérer notamment :

- l'annuaire du laboratoire,
- les publications du laboratoire,
- le parc informatique du laboratoire ainsi que des utilisateurs,
- le carnet d'adresse du laboratoire et des utilisateurs.

Président de la commission informatique 2000-2002

Sur la période janvier 2000 - juillet 2002, j'ai animé la commission informatique du laboratoire. Avec le soutien d'un IR, d'un IE à 80% et d'un IE (CDD) je supervisais la gestion du parc informatique du laboratoire.

En particulier, je me suis occupé:

- de la transition des serveurs DIGITAL vers des serveurs Linux,
- de la mise à niveau du réseau en terme de câblage et d'éléments actifs
- de la mise en place d'une politique de sécurisation du réseau informatique de Toulouse (ceci a été fait dans le cadre d'un mémoire d'ingénieur CNAM présenté par Anne-Isabelle Billast en décembre 2001),
- de la mise en place d'une grappe de PCs Linux, concept qui devrait remplacer à terme tous les serveurs de calcul de notre laboratoire du fait de la flexibilité d'un tel concept (de même, ce travail a été mené dans le cadre d'un mémoire d'ingénieur CNAM présenté par Laurent Gattoni en avril 2002).

Membre élu du conseil du Laboratoire (UMR5572) 1998-2001

Membre élu du conseil Scientifique de l'OMP: 1997-2000

Enseignement de Physique Statistique à SupAéro

De 1998 à 2002, j'étais le responsable du module de Physique Statistique à SupAéro. Ce module se compose de 40h (niveau 2ième cycle) réparties en 15h de Cours, 10h de TD et 5h de TP.

Encadrement d'étudiants

Chaque année j'encadre de nombreux étudiants. Depuis 1999, j'ai encadré les étudiants suivants:

1999: E. Athanase: stage IUT informatique
1999: C. Faure: stage de maitrise
1999: G. Golse: DEA astrophysique
1999: F. Martins: stage 2ième année SUPAERO
2000: J.F. Danjard: stage de maitrise
2000: B. Capony: stage IUT informatique
2000: L. Clain: stage IUT informatique
2000: C. Faure: DEA astrophysique
2000: M. Lemoine: DEA astrophysique
2001: J.C. Hoelt: stage IUT informatique
2001: S. Bardeau: DEA astrophysique
2001: D. Collado: DEA astrophysique
2001: J. Richard: stage 2ième année SUPAERO
2002: J. Richard: DEA astrophysique (effectué à Toulouse et Caltech)
2002: M. Limousin: DEA physique théorique
2003: C. Leruste: stage de 2ième année de l'école Polytechnique

Encadrement de thèses

Depuis mon séjour post-doctoral à Cambridge j'encadre régulièrement des thèses en cosmologie observationnelle:

Priya Natarajan: thèse soutenue en 1998 (co-encadrement)
Timothy Ebbels: thèse soutenue en 1998 (co-encadrement)
Oliver Czoske: thèse financée par la CE (Marie-Curie) soutenue en juin 2002
Ghislain Golse: thèse MENRT soutenue en octobre 2002 (co-encadrement)
Cécile Faure: thèse en cotutelle à l'ESO-Santiago soutenue en octobre 2003 (co-encadrement)
Sébastien Bardeau: thèse MENRT 2001-2004
Marceau Limousin: thèse MENRT 2001-2004
Johan Richard: thèse MENRT 2002-2005 (co-encadrement)
Patrick Hudelot: thèse MENRT 2002-2005 (co-encadrement)

Encadrement de Post-Docs

Alison Stirling (1999) financée par le British Council.
Francisco Castander (1999-2000), Sarah Bridle (2001) tous deux financés par le réseau européen LENSNET.
Graham Smith (2002-2004) (co-encadrement)

Organisation de Colloques

- Membre du comité local d'organisation du JENAM99, Toulouse, 7-11 septembre 1999.
- Membre du comité scientifique d'organisation de la conférence de Moriond sur les "Lentilles gravitationnelles", Les Arcs, Savoie, 11-18 mars 2000.
- Membre du comité local d'organisation du 9^{ieme} atelier UN/ESA sur les sciences spatiales, Toulouse les 27-30 juin 2000.
- Membre du comité scientifique d'organisation de l'atelier: "SZ-Toulouse", Toulouse, 29-30 juin 2000.
- Membre du comité scientifique d'organisation de l'atelier: "THE SHAPES OF GALAXIES AND THEIR HALOS", Yale University, New Haven, USA, 28-30, mai 2001.
- Membre du comité scientifique d'organisation de l'atelier: "COSMIC SHEAR", Cambridge University, Cambridge, UK, 26-28, juillet 2001.
- Membre du comité scientifique d'organisation de l'atelier: "Gravitational Lensing a Unique Tool for Cosmology", Aussois, France, 5-11 Janvier 2003. Co-Editeur des proceedings qui paraîtront début 2004.

Diffusion de la Science

- Chaque année je présente des conférences dans des clubs d'Astronomie, ou à l'Université du temps libre ou encore dans les classes de mes enfants.
- Mai 1996: Kneib, J.-P. & R. Ellis "One of the predictions of Einstein's General Theory of Relativity is Gravitational Lensing: Nature's view into the past." *Astronomy Now*, p. 43-45.
- Décembre 1998: Kneib, J.-P. "Mirage dans le Cosmos", *Science & Vie Hors Serie* no. 205 p. 126-132 *L'Univers de la Gravitation*
- Automne 1999: contribution à l'ouvrage "Le Grand Livre du Ciel" Bordas (1999).

Communiqués de presse

- ST-ECF/Caltech/CNRS, 17 July 2003: "Hubble tracks down a galaxy cluster's dark matter" [<http://www.sci.esa.int/science-e/www/object/index.cfm?fobjectid=33507>]
- CNRS, 11 Décembre 2002, "Deux galaxies lointaines passées à la loupe" [<http://www.cnrs.fr/cw/fr/pres/dyncom/>]
- University of Hawaii, 6 March 2002: "Galaxies from the Dark Ages" [<http://www.ifa.hawaii.edu/cowie/z6/z6.html>]
- ST-ECF/STSci/Caltech, 5 Octobre 2001: "Gravitational lens helps Hubble and Keck discover galaxy building block" [<http://hubble.esa.int/hubble/news/index.cfm?oid=28504>]
- ST-ECF, 6 Septembre 2000: "Unveiling the nature of a dusty galaxy" [<http://hubble.esa.int/hubble/news/index.cfm?oid=24556>]
- ESO, 13 Avril 2000: "A Deep Look into the Universal Hall of Mirrors" [<http://www.eso.org/outreach/press-rel/pr-2000/pr-10-00.html>]

1 Thèse

Kneib, J.-P., “Arcs Multiples et Arclets comme Diagnostic de la Distribution de Matière dans les Amas de Galaxies”, Thèse de l’Université Paul Sabatier, Toulouse, 1993.

2 Revue à comité de lecture

1. Y. Mellier, B. Fort, **J.P. Kneib** “Dark Matter Distribution in MS 213 7-23”, 1993, ApJ 407, 33.
2. **J.P. Kneib**, Y. Mellier, B. Fort, G. Mathez “The Dark Matter Distribution in Distant Cluster-Lenses: Modelling A370” 1993, A.&A. 273, 367.
3. H. Bonnet, P. Couturier, B. Fort, **J.P. Kneib**, Y. Mellier & G. Soucaïl, “Detection of Weak Lensing by a Massive Dark Halo in Q2345+007” 1993, A.&A. 280, L7.
4. **J.P. Kneib**, Mathez, G., Fort, B., Mellier, Y., Soucaïl, G., & Longaretti, P.Y. “Redshift Distance of Gravitational Arclets up to $B_J = 27$, Behind Clusters of Galaxies”, 1994, A.&A. 286, 701.
5. **J.P. Kneib**, J. Melnick, Gopal-Krishna “The Cl2236-04 Lens Cluster” 1994, A.&A. 290, L25.
6. J.P. Beaulieu, R. Ferlet, P. Grison, A. Vidal-Madjar, **J.P. Kneib**, E. Maurice, L. Prévot, C. Gry, J. Guibert, O. Moreau, F. Tajhmady, E. Auburg, P. Bareyre, C. Coutures, M. Gros, B. Laurent, M. Lachièze-Rey, E. Lesquoy, C. Magneville, A. Milsztajn, L. Moscoso, F. Queindec, C. Renault, J. Rich, M. Spiro, L. Vigroux, S. Zylberajch, R. Ansari, F. Cavallier and M. Moniez “Spectroscopic studies of the two EROS candidate microlensed stars”, 1995, A.&A. 299, 168.
7. **J.P. Kneib**, Y. Mellier, R. Pelló, J. Miralda-Escudé J.-F. Le Borgne, H. Böhringer, J.-P. Picat “Dynamics of Abell 2218 from optical and near-IR imagery of arc(let)s and ROSAT/HRI X-ray map”, 1995, A&A 303, 27–40.
8. **J.P. Kneib**, R.S. Ellis, I. Smail, W.J. Couch & R.M. Sharples, “Hubble Space Telescope Observations of the Rich Cluster of Galaxies Abell 2218”, 1996, ApJ 471, 643.
9. I. Smail, A. Dressler, R.S. Ellis, **J.P. Kneib**, W.J. Couch, R.M. Sharples, A. Oemler & H.R. Butcher, “HST Observations of Giant Arcs: High Resolution Imaging of Distant Field Galaxies”, 1996, ApJ 469, 508.
10. S.W. Allen, A.C. Fabian & **J.P. Kneib** “A combined X-ray and gravitational lensing study of the massive cooling-flow cluster PKS0745”, 1996, MNRAS 279, 615.
11. M. Pierre, J.-F. Leborgne, G. Soucaïl, **J.P. Kneib** “X-ray analysis and matter distribution in the lens-cluster Abell 2390”, 1996, A&A 311, 413.
12. B. Fort, Y. Mellier, M. Dantel-Fort, H. Bonnet, **J.P. Kneib**, “Detection of Weak Lensing in the Fields of Luminous Radiosources” 1996, A&A 310, 705.
13. C. Seitz, **J.P. Kneib**, S. Seitz, P. Schneider “The Mass Distribution of Cl0939+4713 obtained from a ‘Weak’ Lensing Analysis of a WFPC2 image” 1996, A&A 314, 707.
14. Ebbels, T.M.D, Leborgne, J.F, Pello, R., Ellis, R.S., **Kneib J.-P.**, Smail, I.R., Sanahuja, B., “Identification of a Lensed $z=2.515$ Star-Forming Galaxy”, 1996, MNRAS 281, L75.
15. Natarajan, P., **Kneib J.-P.**, “Probing the dynamics of cluster-lenses”, 1996, MNRAS 283, 1031.
16. Natarajan, P., **Kneib J.-P.**, “Lensing by galaxy halos in clusters of galaxies” 1997, MNRAS 287, 833.
17. Campusano, L., **Kneib, J.-P.**, Hardy, E “Gravitational lensing in low-redshift clusters of galaxies- the arc-like object in Abell 3408 and its lensing interpretation”, 1998, ApJL, 496, 79
18. Ebbels, T.M.D, Ellis, R.S., **Kneib, J.-P.**, Le Borgne, J.F, Pello, R., Smail, I.R., Sanahuja, B. “Spectroscopic Confirmation of Redshifts Predicted by Gravitational Lensing”, 1998, MNRAS, 295, 75
19. Frayer, D.T., Ivison, R.J., Scoville, N.J., Yun, M., Evans, A.S., Smail, I.R., Blain, A.W., **Kneib, J.-P.**, “Molecular Gas in the $z=2.8$ Submillimeter Galaxy SMM 02399-0136”, 1998, ApJL, 506, 7

20. Hattori, M., Matuzawa, H., Morikawa, K., **Kneib, J.-P.**, Yamashita, K., Wanatabe, K., Boehringer, H., Tsuru, T.G. “Discovery of X-ray emission from the distant lensing cluster of galaxies CL2236-04 at $z=0.552$ ”, 1998, ApJ, 503, 593
21. Ivison, R., Smail, I., Leborgne, J.-F., Blain, A.W., **Kneib, J.-P.**, Bezecourt, J., Kerr, T.H., Davies, J.K “A hyperluminous galaxy at $z=2.8$ found in a deep submillimetre survey”, 1998, MNRAS, 298, 583
22. **Kneib, J.-P.**, Alloin, D., Mellier, Y., Guilloteau, S., Barvainis, R., Antonucci, R. “Modelling the Cloverleaf-Contribution of a Galaxy Cluster at $z 1.7$ ”, 1998, A&A, 329, 827
23. **Kneib, J.-P.**, Alloin, D., Pello, R., “Unveiling the nature of the Cloverleaf lens-system- HST/NICMOS-2 observations”, 1998, A&A, 339, 65
24. Natarajan, P., **Kneib, J.-P.**, Smail, I.R., Ellis, R.S “The Mass/Light Ratio of Early-Type Galaxies- Constraints from Gravitational Lensing in the Rich Cluster AC114”, 1998, ApJ, 499, 600
25. Smail, I., Ivison, R., Blain, A., **Kneib, J.-P.**, “The Faint Sub-millimeter Galaxy Population- Hubble Space Telescope Morphologies and Colors”, 1998, ApJL, 507, 21
26. Altieri, B., Metcalfe, L., **Kneib, J.-P.**, Mcbreen, B., Aussel, H., Biviano, A., Delaney, M., Elbaz, D., Leech, K., Lemonon, L., Okumura, K., Pello, R., Schulz, B. “An ultra-deep ISOCAM observation through a cluster-lens”, 1999, A&A, 343, L65
27. Barger, A., Cowie, L., Smail, I., Ivison, R., Blain, A., **Kneib, J.-P.**, “Redshift distribution of the faint submillimeter galaxy population”, 1999, AJ, 117, 2656
28. Bezecourt, J., **Kneib, J.-P.**, Soucail, G., Ebbels, T., “Lensed galaxies in Abell 370- I. modeling the number counts and redshift distribution of background sources”, 1999, A&A, 347, 21
29. Bezecourt, J., Soucail, G., Ellis, R.S., **Kneib, J.-P.**, “Lensed galaxies in Abell 370 II. The ultraviolet properties of arclets and the star formation rate at high redshift”, 1999, A&A, 351, 433
30. Blain, A., **Kneib, J.-P.**, Ivison, R., Smail, I., “Deep Counts of Submillimeter Galaxies”, 1999, ApJL, 512, 87
31. Blain, A., Smail, I., Ivison, R., **Kneib, J.-P.**, “The history of star formation in dusty galaxies”, 1999, MNRAS, 302, 632
32. Blain, A.W., Jameson, A., Smail, I., Longair, M., **Kneib, J.-P.**, Ivison, R. “Dust obscured star formation and AGN fueling in hierarchical models of galaxy evolution”, 1999, MNRAS, 309, 715
33. Edge, A.C., Ivison, R.J., Smail, I.R., Blain, A.W., **Kneib, J.-P.**, “The Detection of Dust in the Central Galaxies of Distant Cooling-Flow Clusters”, 1999, MNRAS, 306, 599
34. Frayer, D.T., Ivison, R.J., Scoville, N.Z., Evans, A.S., Yun, M.S., Smail, I.R., Barger, A.J., Blain, A.W., **Kneib, J.-P.**, “Molecular Gas in the $z= 2.565$ Submillimeter Galaxy SMM J14011+0252”, 1999, ApJL, 514, 13
35. Hattori, H., **Kneib, J.-P.**, Makino, N. “Gravitational Lensing in Clusters of Galaxies”, 1999, Progress of Theoretical Physics Supplement, 133, 1
36. Molikawa, K., Hattori, M., **Kneib, J.-P.**, Yamashita, K., “The giant luminous arc Statistics. II. spherical lens models based on ROSAT HRI data”, 1999, A&A, 351, 413
37. Pello, R., **Kneib, J.-P.**, Leborgne, J.F., Bezecourt, J., Ebbels, T.M., Tijera, I., Bruzual, G., Miralles, J.M., Smail, I., Soucail, G., Bridges, T.J. “Two multiple-imaged $z=4.05$ galaxies in the cluster-lens Abell 2390”, 1999, A&A, 346 , 359
38. Smail, I.R, Ivison, R.J., **Kneib, J.-P.**, Cowie, L.L., Blain, A.W., Barger, A.J., Owen, F.N., Morrison, G. “The Discovery of ERO Counterparts to Faint Submm Galaxies”, 1999, MNRAS, 308, 1061.
39. Smail, I.R., Morrison, G., Gray, M., Owen, F.N., Ivison, R.J., **Kneib, J.-P.**, Ellis, R.S. “HST Near Infrared and Optical imaging of Faint Radio Sources in the distant cluster C10939+4713”, 1999, ApJ, 525, 609.
40. Soucail, G., **Kneib, J.-P.**, Bezecourt, J., Metcalfe, L., Altieri, B., Leborgne, J.-F. “A Ring Galaxy at $z=1$ lensed by the cluster Abell 370”, 1999, A&A, 343, L70.
41. Ivison, R.J., Smail, I., Barger, A., **Kneib, J.-P.**, Blain, A., Owen, F.n, Kerr, T.H., Cowie, L., “The diversity of submillimetre-selected galaxies”, 2000, MNRAS, 315, 209.

42. Smail, I., Ivison, R., Owen, F., Blain, A.W., **Kneib, J.-P.** “Radio Constraints on the Identifications and Redshifts of Submm Galaxies”, 2000, *ApJL*, 528, 612.
43. Yamada, T., Yamazaki, S., Hattori, M., Soucail, G., **Kneib, J.-P.**, “Emission-Line Properties of MG2016+112: A Luminous Obscured Quasar at High Redshift”, 2001, *A&A*, 367, 51
44. Fabian, A.C., Smail, I., Iwasawa, K., Allen, S.W., Blain, A.W., Crawford, C., Ettori, S., Ivison, R., Johnstone, R.M., **Kneib, J.-P.**, Wilman, R.J., “Testing the connection between the X-ray and submillimetre backgrounds using Chandra”, 2000, *MNRAS*, 315, L8.
45. Courbin, F., Lidman, C., Meylan, G., **Kneib, J.-P.**, Magain, P. “Exploring the gravitationally lensed system HE 1104-1805: near-IR spectroscopy”, 2000, *A&A*, 360, 853.
46. Cypriano, E.S., Sodré, L.JR., Campusano, L.E., **Kneib, J.-P.**, Giovanelli, R., Haynes, M.P., Dale, D.A., Hardy, E., “Gravitational Lensing by Nearby Clusters of Galaxies”, 2000, *AJ*, 121, 10
47. **Kneib, J.-P.**, Cohen, J.G., Hjorth, J. “RXJ0911 05: A Massive Cluster Lens at $z=0.769$ ”, 2000, *ApJL*, 544, 35.
48. Soucail, G., **Kneib, J.-P.**, Jaunsen, A.O., Hjorth, J., Hattori, M., Yamada, T. “Spectroscopic confirmation of a lensing cluster at $z=1$ in the field of the gravitational lens MG2016 112 ”, 2000, *A&A*, 367, 741
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