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CURRICULUM VITAE

Christophe Pichon



Bibliographic information

Date of Birth : born 7 May 1968, Rennes (Ille-et-Vilaine) France;

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Education

2020- Research Director DR1 IAP/UMR 7095

Spring 2018 SUPA Visiting scholar, [Scottish University Physics Alliance, Edinburgh](#) .

Autumn 2015-20 KIAS Visiting scholar, [Korean Institute of Advanced Studies, Seoul](#) .

Spring 2015 CNRS Overseas Visiting fellow, [Institute of Astronomy, Cambridge](#) .

Autumn 2013 Sackler Visiting fellow, [Institute of Astronomy, Cambridge](#) .

2011- 2020 Research Director DR2 IAP/UMR 7095

2010-11 Merton College Visiting fellow, [Merton College](#) .

2009- 2010 Leverhulme visiting professor, Merton College , [Oxford Astrophysics](#) .

2004- 2008 Researcher, CR1, CNRS, UMR 7095, [Institut d'astrophysique de Paris](#).

Head of research group "Universe & large scale structures", IAP.

1998-2001 Junior Researcher, CR2, CNRS, UMR 7550, Observatoire de Strasbourg.

1995-1998 Postdoc, Basel Observatory.

1993-1995 Postdoc, Canadian institute of theoretical astrophysics (CITA).

1990-1993 Ph.D. (Theoretical Astronomy) University of Cambridge & Clare College, Cambridge, U.K.

Ph.D supervisor: D. Lynden-Bell. topic: "*Dynamics of self-gravitating discs.*"

1988-1990 Master II: Astrophysique et Techniques Spatiales at Meudon.

Master I & Magistère of the Ecole normale superieure de Lyon

1986-1988 "Classes préparatoires mathématiques supérieures et spéciales". Paris & Nantes.

Distinctions

2015-2020 KIAS Scholar professorship, Seoul

2015 CNRS overseas fellowship, Cambridge

2013 Sackler Fellowship, Cambridge

2010 Merton visiting professorship, Oxford

2009- 2010 Leverhulme professorship, Oxford

1992 Knight Prize (University of Cambridge) "*Bars in galaxies: a dynamical formation*"

1990-1996 Isaac Newton Studentship, British Council Studentship, Bourse Erasmus,

Bourse MRT, NSERC Fellowship, Swiss National Fund Fellowship.

1988 Ecole normale de Lyon (63rd)

Supervision

I have (co-)supervised nineteen PhD students, nine of whom have now permanent positions.

- **D. Aubert** : "*Étude des flux cosmologiques au travers de la sphère du viriel Galactique*" [PDF](#),
- **E. Rollinde** : "*La physique du milieu intergalactique*" [PDF](#), with P. Petitjean,
- **A. Siebert** : "*Structure et dynamique des disques de la Galaxie*" [PDF](#), with O. Bienaymé,
- **P. Ocvirik** : "*Évolution chemo-spectro-dynamique des disques galactiques*" [PDF](#),with A. Lançon,
- **B. Aracil** : "*Étude du milieu intergalactique à l'aide des raies d'absorptions*" [PDF](#),with P. Petitjean,
- **S. Caucci** : "*La topologie du Milieu intergalactique*" [PDF](#), with P. Petitjean,
- **T. Sousbie** : "*Le Squelette de l'univers, un outil d'analyse des grandes structures*" [PDF](#),with H. Courtois,
- **J. Thiébaud** : "Reconstruction de champs magnetiques par analyse de la polarisation du rayonnement synchrotron", [PDF](#),with S Prunet,
- **C. Gay** : "Le Squelette des Grandes Structures de Univers" [PDF](#), with D. Pogosyan
- **S. Codis** : De la cosmologie a la formation des galaxies : que nous apprennent les grandes structures de l'Univers? [PDF](#), with D. Pogosyan
- **C. Welker** : How gas inflows and mergers shape galaxies in their cosmic environment. [PDF](#), with J. Devriendt and Y. Dubois
- **J.B Fouvry**: Secular evolution of self-gravitating systems over cosmic age [PDF](#),with J. Binney
- **C. Laigle**: Observational and theoretical constraints on galaxy evolution at high redshift [PDF](#), with H McCracken
- **C. Cadiou**: on the morphology of galaxies in Lagrangian space, with Y. Dubois. [PDF](#), with Y. Dubois
- **C. Gouin**: on strong lensing as a probe of the cosmic web [PDF](#), with R. Gavazzi
- **S. Rozier**: Linear Stability of Rotating Stellar Clusters [PDF](#), with J.B. Fouvry
- **K. Tep**: Secular evolution of Stellar Clusters [PDF](#), with J.B. Fouvry
- **M. Roule**: Secular evolution of Stellar Discs [PDF](#), with J.B. Fouvry
- **E. Ko**: The emergence of thin discs [PDF](#), with J. Devriendt

References

D. Lynden-Bell, Institute of Astronomy, Madingley Road, CB4 0HA, Cambridge, UK.

E. Bertschinger, MIT 77 Massachusetts Avenue, Cambridge, MA 02139 USA,

J. Binney, Rudolf Peierls Centre for Theoretical Physics, 1 Keble Road, Oxford, OX1 3NP, UK.

Responsibilities

Scientific committee of IAP: Head of research group "Universe & large scale structures"

Scientific committee of Strasbourg Observatory & section 34.

PI of ANR SEGAL (500kE). <http://www.secular-evolution.org>

PI of ANR SPINE (500kE). <http://spine-public.projet-horizon.fr>

Co-I of ANR Horizon (500kE). <http://www.projet-horizon.fr>

Member of ANR CosmicSpheres/DeepDip/MITIV/BOSS/EcoStat/Planck

ACI-young researcher. Funding from PNC, PNG, GDR-galaxies.

Teaching in Master-III, BSc.

Observing time in collaboration at AAT,CFHT, Calar Alto, HST, NTT & VLT.

Computing time in collaboration at CINES, IDRIS, CCRT & UKAFF ;

System manager of IAP & **Infinity clusters** & Pleyades in Strasbourg.