

French Citizen, Born October 4, 1957.

Directeur de Recherche (Senior Scientist), *Centre National de la Recherche Scientifique* (CNRS).

Academic Qualifications & Awards

2011: Member of one of the teams who discovered the acceleration of the expansion of the universe, for which S. Perlmutter, B. Schmidt and A. Riess were awarded the 2011 Nobel prize in Physics.

2007: Cosmology prize of the Gruber Foundation

1999: Joliot Curie award of the French Physical Society

1987: Ph. D. Thesis, University Pierre et Marie Curie, Paris, France

1984: Thèse de 3^{ième} Cycle (Master Thesis) de l'université Pierre et Marie Curie, Paris, France

1982: Master degree in Theoretical Physics, University Pierre et Marie Curie, Paris, France

Research Activities

1993-now: Observational Cosmology, within the SCP, SNF, SNLS and LSST collaborations.

1995-2000: DELPHI experiment at CERN Geneva: Search for Supersymmetric Particles.

1993-1995: Sabbatical at the Lawrence Berkeley National Laboratory: Supernova Cosmology

1988-1993: DELPHI experiment at CERN, Geneva: Measurement of the Z^0 Boson Parameters

1984-1988: CHARM experiment at CERN: Measurement of the Electroweak Mixing Angle

1982-1984: CELLO experiment at DESY, Hamburg: Measurement of photon-photon interactions

Recent Responsibilities

2009-now: Director of the Laboratoire de Physique Nucléaire et des Hautes Energies, Université Pierre et Marie Curie (UPMC), Université Paris-Diderot, CNRS/IN2P3

2003-now: French PI of the Supernova Legacy Survey (SNLS) project, Collaboration Board Chair

2007-2009: Coordinator of the CNRS/IN2P3 LSST project

2002-2006: Coordinator of the French node of the EU RTN "The physics of Type Ia supernovae"

2001-now: French PI of the Nearby Supernova Factory (SNF) project

2000-2008: Member of International Board of the Supernova Acceleration Probe (SNAP) project

1998-now: Coordinator of the CNRS/IN2P3 "Supernova Cosmology" projects

1997-2007: Member of Executive Committee of the Supernova Cosmology (SCP) project

Publications

Total : > 300 (7 "Renowned", 3 "Famous", 15 "very well known", 50 "well known, .. h-index = 60)

Selected publications:

- Constraints on Dark Energy Combining the Supernovae legacy Survey 3-year Data with Other Probes, M. Sullivan et al., **ApJ 737 (2011) 102**

- The Supernova Legacy Survey 3-year Sample: Type Ia supernovae photometric distances and cosmological constraints, SNLS Collaboration, J. Guy et al., **A&A 523 (2010) A7**

- Improved Cosmological Constraints from New, Old, and Combined Supernova Data Sets, SCP Collaboration, M. Kowalski et al., **ApJ 686 (2008) 749**

- The SuperNova Legacy Survey: Measurement of Ω_M , Ω_Λ and w from the first year data set, SNLS Collaboration, P. Astier et al., **A&A 447 (2006) 37**

- New Constraints on Ω_M , Ω_Λ and w from an Independent Set of 11 High-Redshift Supernovae Observed with HST, SCP Collaboration, R. Knop et al., **ApJ 598 (2003) 102**

- The Distant Type Ia Supernova Rate, Supernova Cosmology Project, SCP Collaboration, R. Pain et al., **ApJ 577 (2002) 120**

- Measurement of Ω and Λ from 42 High-redshift Supernovae, SCP Collaboration, S. Perlmutter et al., **ApJ 517 (1999) 565**