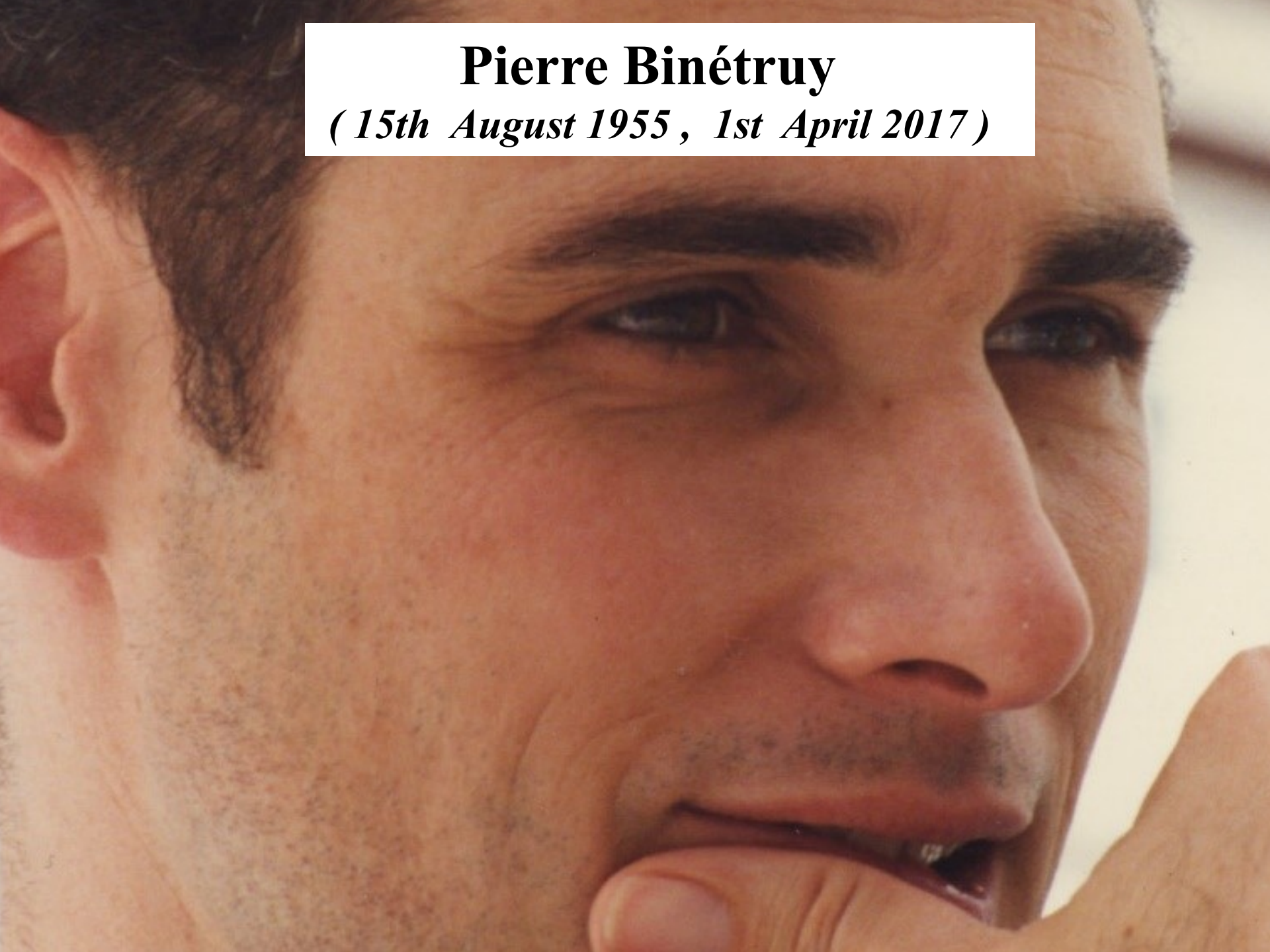


**Pierre Binétruy**  
( *15th August 1955 , 1st April 2017* )



# 40 years of physics



1975-1976

**1976 :** his first contact with research :  
summer student at CERN working in the  
experimental group (  $\Omega$  spectrometer  
at SPS) of François Richard- Roberto  
Salmeron- Peter Sonderegger and Daniel  
Treille

**1977 :** He obtained his  
Master on theoretical  
physics diploma  
(DEA Physique Theorique de Paris )



2016

**1980 :** Thesis defense in Annecy lab on  
*Theoretical aspects and phenomenology of  
gauge theories*  
supervised by M.K Gaillard



1978

# THÈSE

présentée  
pour obtenir

LE GRADE DE DOCTEUR D'ÉTAT  
SPÉCIALITÉ: SCIENCES PHYSIQUES

par

Pierre BINÉTRUY

ASPECTS THÉORIQUES ET PHÉNOMÉNOLOGIQUES  
DES THÉORIES DE JAUGE

Soutenue le 21 novembre 1980 devant la Commission d'Examen

Président: M. Ph. Meyer  
Examineurs: MM. J.-J. Aubert  
M. Davier  
J. Ellis  
M<sup>me</sup> M.K. Gaillard

**1986 :** Hired in CNRS after a CERN fellow and postdocs in the US

**1990 :** Got a professor position at Orsay, University Paris-Sud

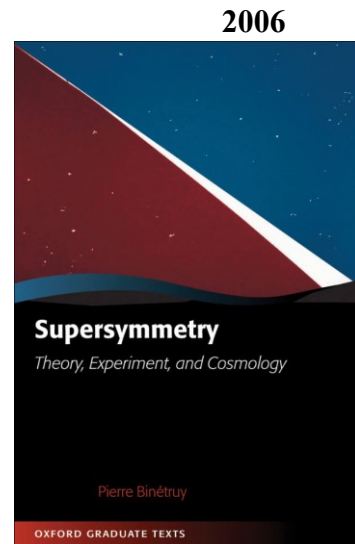
Pierre had impacting contributions in  
several scientific domains

Supersymmetry

String theory

Cosmology

Gravity



# Pierre was an extraordinary scientific animator

- **End of 1990's** : he launched the GDR supersymmetry (later EuroGDR Terascale) which improved the concept of national cooperation between experimentalists and theorists  
(later became european network)

- **Member of Organizing Committee of Moriond EW (1990-1997)**

with the active collaboration of :

P. Binetruy  
A. Blondel  
R. Cahn  
G. Coignet  
L. Fayard  
P. Fayet  
J.-M. Frère  
L. Krauss  
L. Moscoso  
C. Savoy  
C. Verzegnassi



- He was member of a lot of Advisory committees contributing to the expansion of workshops, Higgs Hunting , Vietnam, Blois , where he gave his last summary talk in 2016



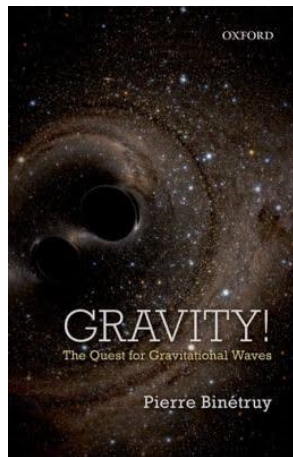
2013



2016

# Pierre was an excellent teacher

- at all academic levels ( bachelor, master, doctoral schools, summer schools)
- An important fraction of French HEP physicists still remember his lectures
- he had a long list of PhD students including Deffayet, Dudas, Lavignac...



He was also involved  
in high level outreach  
actions

Books

MOOC



Pierre played a key role in structuring the french « astro » community



2006 : creates new lab ( > 150 people)  
assembling experimentalists and  
theorists from both CEA and CNRS  
working on astroparticle and  
cosmology

APC : AstroParticulesCosmology

Thanks to his efforts, France entered in LISA  
collaboration and APC contributed to the PathFinder

Pierre was member of various national and international panels, handling scientific, strategic and managerial aspects of research

The last years he got a short term position at Institut Universitaire de France. He was delighted to take some distance with responsibilities and come back to research...



2003



2015



1982



2013



1978



2005



1994



2005

**Pierre, we will remember  
you through everything  
you have done**



2003



1975(6)



2003



GORDON RESEARCH CONFERENCE  
Proctor Academy  
ELEMENTARY PARTICLE INTERACTION  
Harold Ogren, chairman  
Ian Hinchcliffe, vice chairman  
Aug. 12-16, 1985  
*Achber Studio, Laconia, N.H.*



# Pierre Binétruy



## From theory to strategy of discovery

May 3 - 4, 2018

Université Paris Diderot - Amphithéâtre Buffon



This conference is organized in memory of Pierre Binétruy (1955-2017) by his colleagues and friends to honor his many contributions, from particle physics and supersymmetry to cosmology and gravitation.

**Registration is free but mandatory**

**More info:**

[http://www.apc.univ-paris7.fr/APC/Conferences/Conf\\_Pierre\\_Binetruy](http://www.apc.univ-paris7.fr/APC/Conferences/Conf_Pierre_Binetruy)



*Credits:*

*Pierre Binétruy by Jean-Luc Robert*

*Artist's impression of merging neutron stars by ESO/L. Calçada/M. Kornmesser*