

REPORT ON THE RESEARCH UNIT:

Laboratoire de Physique Théorique et Hautes
Énergies
LPTHE

UNDER THE SUPERVISION OF THE FOLLOWING INSTITUTIONS AND RESEARCH BODIES:

Sorbonne Université
Centre National de la Recherche Scientifique -
CNRS

ÉVALUATION CAMPAIGN 2017-2018
GROUP D



In the name of Hcéres¹ :

Michel Cosnard, President

In the name of the expert committee² :

Stephen Shenker, Chairman of the
committee

Under the decree No.2014-1365 dated 14 November 2014,

¹ The president of HCERES "countersigns the evaluation reports set up by the expert committees and signed by their chairman." (Article 8, paragraph 5);

² The evaluation reports "are signed by the chairman of the expert committee". (Article 11, paragraph 2).

This report is the sole result of the unit's evaluation by the expert committee, the composition of which is specified below. The assessments contained herein are the expression of an independent and collegial reviewing by the committee.

UNIT PRESENTATION

Unit name:	Laboratoire de Physique Théorique et Hautes Énergies
Unit acronym:	LPTHE
Requested label:	UMR
Application type:	Renewal
Current number:	UMR 7589
Head of the unit (2017-2018):	Mr Benoît DOUÇOT
Project leader (2019-2023):	Ms Michela PETRINI
Number of teams or themes:	4

COMMITTEE MEMBERS

Chair:	Mr Stephen SHENKER, Stanford University, USA
Experts:	Mr Aurélien BARRAU, CNRS, In2p3 (representative of CoNRS)
	Mr Sacha DAVIDSON, CNRS, In2p3
	Mr Malte HENKEL, université de Lorraine
	Mr Jean-Michel MAILLET, ENS Lyon
	Mr Pierre PUJOL, université Paul Sabatier Toulouse III (representative of CNU)
HCERES scientific officer:	Mr Yannis KARYOTAKIS
Representatives of supervising institutions and bodies:	Mr Bertrand MEYER, Sorbonne Université
	Mr Bart VAN TIGGELEN, CNRS

INTRODUCTION

HISTORY AND GEOGRAPHICAL LOCATION OF THE UNIT

The LPTHE was created in 1966 by Maurice LÉVY. We have celebrated recently its 50th birthday. The LPTHE is entirely located on the renovated Jussieu campus in the historical Latin Quarter, at walking distance from prestigious institutions such as École Normale Supérieure, Collège de France, Institut Poincaré.

MANAGEMENT TEAM

Mr Benoît DouçOT

HCERES NOMENCLATURE

ST Sciences and Technologies

ST2 Physics

ST1 Mathematics

SCIENTIFIC DOMAIN

Originally dedicated to high-energy physics, LPTHE has gradually broadened its spectrum, in tune with the worldwide evolution of theoretical physics. High-energy physics (including particle physics and string theory) gathers roughly half of the activity of the LPTHE, the other half being distributed among various subjects, including integrable models, quantum field theory, mathematical physics, statistical and condensed matter physics.

UNIT WORKFORCE

Unit workforce	Number 30/06/2017	Number 01/01/2019
Permanent staff		
Full professors and similar positions	6	5
Assistant professors and similar positions	3	3
Full time research directors (Directeurs de recherche) and similar positions	9	9
Full time research associates (Chargés de recherche) and similar positions	8	6
Other scientists ("Conservateurs, cadres scientifiques des EPIC, fondations, industries, etc.")	0	0
High school teachers	0	0
Supporting personnel (ITAs, BIATSSs and others, notably of EPICs)	2	2
TOTAL permanent staff	28	25
Non-permanent staff		
Non-permanent professors and associate professors, including emeritus	2	
Non-permanent full time scientists, including emeritus, post-docs	14	
Non-permanent supporting personnel	0	
PhD Students	13	
TOTAL non-permanent staff	29	
TOTAL unit	57	

GLOBAL ASSESSMENT OF THE UNIT

Based on the quality of its scientific output, international standing, and quality of intellectual life, the committee considers this to be an outstanding unit. The current director has played an essential role in developing and maintaining this exceptionally high quality.

The evaluation reports of Hceres
are available online: www.hceres.com

Evaluation of clusters of higher education and research institutions
Evaluation of higher education and research institutions
Evaluation of research
Evaluation of doctoral schools
Evaluation of programmes
Evaluation abroad



2 rue Albert Einstein
75013 Paris, France
T. 33 (0)1 55 55 60 10

hceres.com

[@Hceres_](https://twitter.com/Hceres_)

[Hcéres](https://www.youtube.com/Hceres)