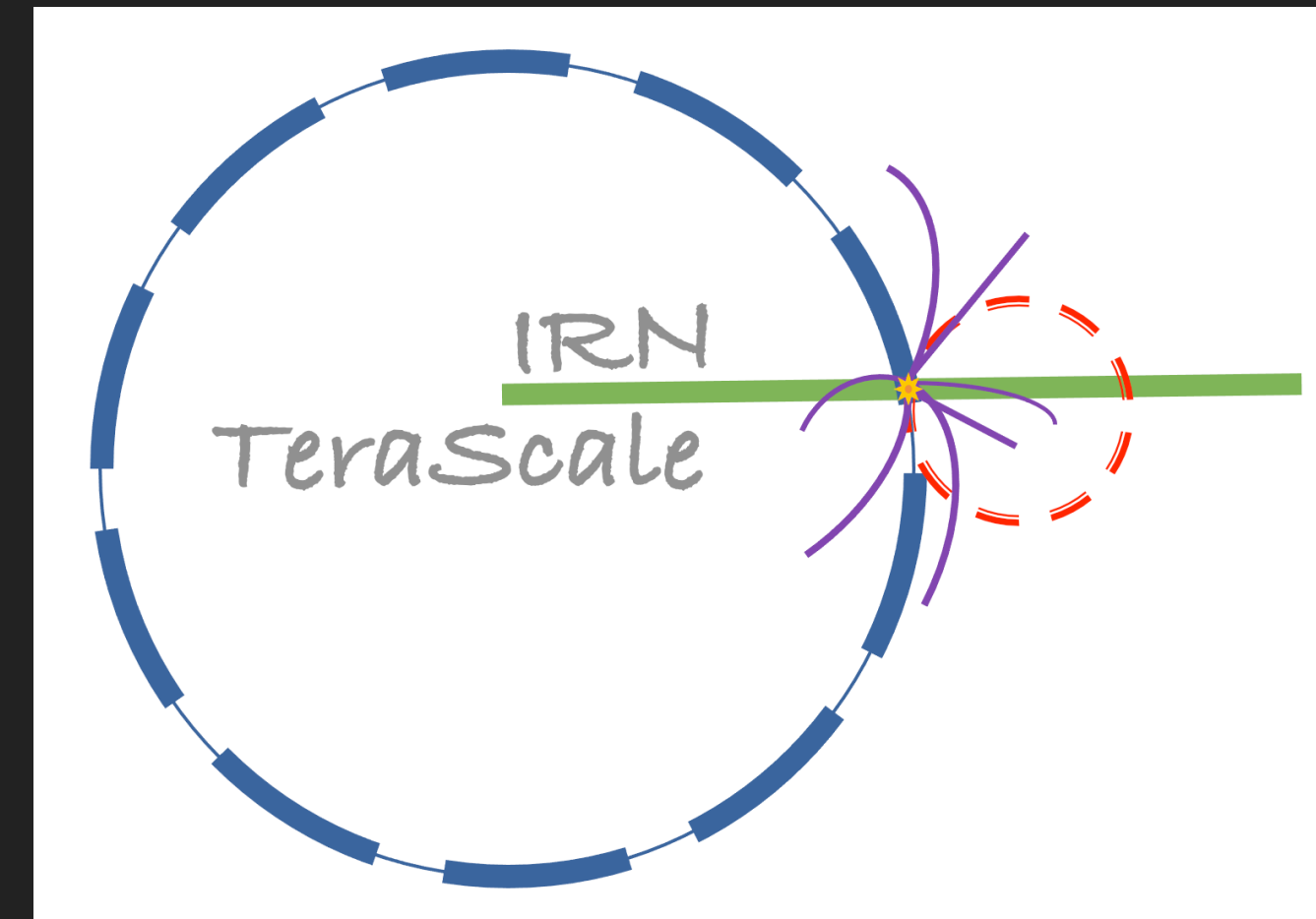


# IRN TERASCALE




Marie-Hélène GENEST (LPSC, Grenoble)  
genest@lpsc.in2p3.fr

Ana M. TEIXEIRA (LPC, Clermont)  
ana.teixeira@clermont.in2p3.fr

Tilman PLEHN (Heidelberg, Germany)  
plehn@uni-heidelberg.de

# HISTORY...

## 1997-2001



[Membres du Conseil de Groupement.](#)  
[Responsables des groupes de travail GDR.](#)  
[Secrétariat du GDR.](#)  
[Programme de Recherche.](#)  
[Composition du GDR.](#)  
[Définition des thèmes de travail par Stavros.](#)  
[Thèmes des Groupes de Travail du GDR.](#)  
[Membres des Groupes de Travail du GDR.](#)  
[GPS sur les dimensions d'espace supplémentaires.](#)  
[GPS au delà.](#)

### SOUS GROUPES DU GDR

MSSM	NMSSM	LSP / COSMO
R-PARITE	OUTILS (TOOLS)	STRATEGIE
SAVEURS	"	"

### SOUS GROUPES GPS

ExtraDimensions	Au delà
-----------------	---------

## 2001-2004

### Euro GDR SUSY 2003-2004

Useful links:  
GDR 2003-2004  
Euro GDR 1997-2002

General	Groups	Meetings	Lists
Index	Secretariat	Committee	News-Archives

Path in SUSY GDR site: [General/index.html](#)  
 Web page responsible: Rémi Lafaye: [lafaye@in2p3.fr](mailto:lafaye@in2p3.fr)  
 Last modified: 10/04/2005 13:04:15

#### Latest News

The 4th EuroGDR meeting will be held from the 25th to the 27th of November 2004 in **Frascati**.

Registration can be made from the web page:  
<http://www.lnf.infn.it/conference/eurogdr/>

## GDR SUSY 2005-2008

Autres Liens :  
Euro GDR 2005-2008  
GDR 2003-2004  
GDR 1997-2002

Actualites	Le-GDR	Contacts	Listes
Dernieres-Nouvelles			

Position sur le site GDR SUSY : [Actualites/index.html](#)  
 Responsable de cette page : Rémi Lafaye : [lafaye@in2p3.fr](mailto:lafaye@in2p3.fr)  
 Dernière date de modification : 03/31/2009 11:41:32

Janvier 2009 : Fin du GDR SUSY

Après douze ans d'existence, et deux directeurs, Pierre Binétruy et Jean Orloff, le GDR SUSY prend fin.

Il est remplacé par le GDR Terascale : <http://terascale.in2p3.fr>

## 2005-2008

## GDR Terascale 2009-2012

The GDR Terascale is a groupement de recherche dedicated to the experimental and theoretical search for new physics at the TeV scale. The GDR is a collaboration of:




## 2009-2017

Please consult [this page](#) for the current GDR Terascale.

### General Terascale Resources

Meetings of the GDR as well as the transparencies shown can be found in [indico](#).

Information is exchanged (announcements of meetings etc) on the terascale-1 mailing list hosted by the CC-IN2P3. The archive of the list is available via this [link](#).

The GDR Terascale is the successor of the GDR Supersymmetry. The GDR SUSY pages are available [here](#).

### Groups and Coordinators

Higgs and Supersymmetry [Jean-Loic Kneur](#), [Rémi Lafaye](#), [Fabio Maltoni](#), [Patrice Verdier](#)  
 Non-supersymmetric models [Fabienne Ledroit](#), [Grégory Moreau](#), [Géraldine Servant](#)  
 Dark Matter [Emmanuel Moulin](#), [Pasquale Serpico](#)  
 Methods and Tools [Sabine Kraml](#), [Steve Muanza](#), [Benjamin Fuks](#)

## 2018 - 2022

### A New Beginning ☺

### GDR-I Terascale

#### 1.1.2018 -



**Became RTI became IRN:  
International Research Network**

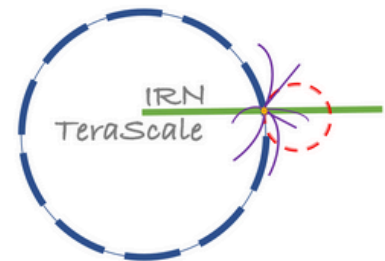
#### With our partners (+X):

- **University of Bonn**
- **Université Libre de Bruxelles**
- **University of Durham**
- **University of Heidelberg**

## 2022-2026

### IRN TERASCALE INTERNATIONAL RESEARCH NETWORK ON THE EXPERIMENTAL AND THEORETICAL SEARCH FOR NEW PHYSICS AT THE TEV SCALE

CNRS/IN2P3, VLB BRUXELLES, VUB BRUXELLES, BONN UNIV., DESY HAMBURG, ITP HEIDELBERG, KIT, UNIV. MILANO, SAPIENZA UNIV. ROME, UNIV. ROMA TRE, INFN TORINO, UNIV. TORINO, UNIV. VALENCIA, IPPP DURHAM, UNIV. OXFORD



### GOALS

The IRN Terascale is a groupement de recherche dedicated to the experimental and theoretical search for new physics at the TeV scale.

### NEXT EVENTS

The next Terascale meeting will be held at Subatech-Nantes on October 17 - 19, 2022 (Monday - Wednesday): [indico page](#). We will have a joint session on the Wednesday between the Dark Universe and the GdR DUPHY, which will be also held at Nantes, in the days after our Terascale meeting (DUPHY: October 19 - 21, Wednesday to Friday).

### INFO

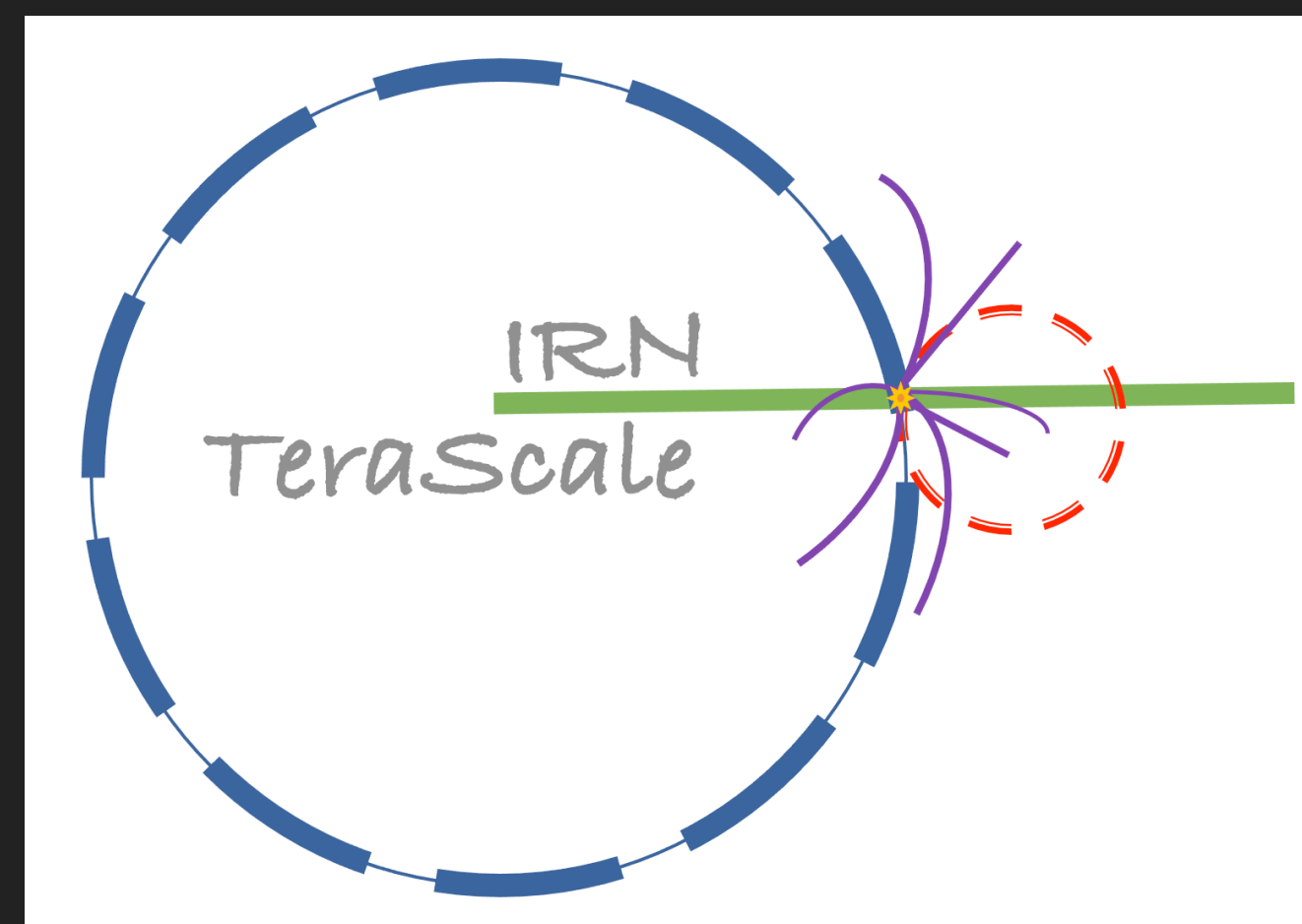
- INDICO
- MAILING LIST
- SUBSCRIPTION

[TERASCALE-L@IN2P3.FR](mailto:TERASCALE-L@IN2P3.FR) (171 subscribed)

# IRN TERASCALE

---

- ▶ Need a forum where we can have informal exchanges between theorists, phenomenologists and experimentalists :
- ▶ Theory : model building, precision computation, phenomenological predictions, reinterpretation of existing results  $\Rightarrow$  motivation for new or improved analyses
- ▶ Experiments : more precise measurements, searches for new signatures through experimental advances  $\Rightarrow$  motivation for particular computations or less explored models



# SCIENTIFIC PROGRAMME

---

▶ The IRN Terascale follows three physics topics (since 2013), each with theory and experimental aspects:

- ▶ Higgs and electroweak symmetry breaking
- ▶ Beyond the Standard Model
- ▶ Dark Universe

and another axis that is transverse to all :

Methods and Tools

Working Group	Convenors
<b>Higgs</b>	Nicolas Morange (IJCLab Orsay, Experiment) Christophe Ochoaño (LLR Palaiseau, Experiment) Pietro Slavich (LPTHE Paris, Theory)
<b>BSM</b>	Éric Chabert (IPHC Strasbourg, Experiment) Björn Herrmann (LAPTh Annecy, Theory) Romain Madar (LPC Clermont, Experiment) Jérémy Quevillon (LPSC Grenoble, Theory)
<b>Dark Universe</b>	Julien Masbou (Subatech Nantes, Experiment) Emmanuel Moulin (CEA Saclay, Experiment) Kallia Petraki (LPTHE Paris, Theory)
<b>Tools</b>	Anja Butter (ITP Heidelberg, Theory) Samuel Calvet (LPC Clermont, Experiment) Éric Conte (IPHC Strasbourg, Experiment)

# ACTIVITIES

---

- ▶ Generally two workshops per year, over 3 days (around 50-60 participants):
  - ▶ 2017: Montpellier & Marseille
  - ▶ 2018: Strasbourg & Durham
  - ▶ 2019: Annecy & Bruxelles
  - ▶ 2020: Zoom
  - ▶ 2021: Zoom & Clermont-Ferrand
  - ▶ 2022: Bonn & Nantes
- ▶ + thematic meetings when needed
- ▶ Encourage / initiate collaborations, informal discussions, opportunity for students and postdocs to showcase their work, ...
- ▶ + mailing list (events, results, job openings,...)

# PARTNERS



Partner	Representative in the SMC
CPPM Marseille	Steve Muanza
CPT Palaiseau	Emilian Dudas
IRFU Saclay	Emmanuel Moulin
IJCLab Orsay	Nikola Makovec, Ulrich Ellwanger
IP2I Lyon	Suzanne Gascon-Shotkin
IPHC Strasbourg	Ulrich Goerlach
IPhT Saclay	Stéphane Lavignac
L2C Montpellier	Jean-Loïc Kneur
LAPP Annecy	Tetiana Berger-Hryn'ova
LAPTh Annecy	Björn Herrmann
LLR Palaiseau	Christophe Ochando
LPC Clermont-Ferrand	Jean Orloff
LPNHE Paris	José Ocariz
LPSC Grenoble	Marie-Hélène Genest
LPTHE Paris	Pietro Slavich
LUPM Montpellier	Cyril Hugonie
Subatech Nantes	Julien Masbou

Partner	Representative in the SMC
<b>Belgium</b>	
ULB Bruxelles	Michel H.G. Tytgat
VUB Bruxelles	Alberto Mariotti
<b>Germany</b>	
University of Bonn	Herbert K. Dreiner
DESY Hamburg	Christophe Grojean
ITP Heidelberg	Tilman Plehn
KIT	Margarete Mühlleitner
<b>Italy</b>	
University of Milano	Stefano Forte
Sapienza University of Rome	Marumi Kado
University Roma Tre	Roberto Franceschini
INFN Torino	Marco Taoso
University of Torino	Nicolao Fornengo
<b>Spain</b>	
University of Valencia	Veronica Sanz
<b>United Kingdom</b>	
IPPP Durham	Steven Abel
University of Oxford	Gavin Salam

