

# INVISIBLES SCHOOL 2014:

## 1st Bulletin, 30th June 2014

Dear *Invisibles*,  
 please find below some information regarding your participation in the School.  
 Recall that all events will be held within the CNRS campus (domain).

### Registration:

Starts on Monday July 7th, at 16h00 on the cafeteria of Building 31 (see map A).

### Invisibles School Lectures:

The lectures begin on Tuesday, July 8th at 9h00, in the “Grand Salon” - Castle (see map A). The compact schedule can be found at the end of the bulletin.

On Saturday the lectures will be *exceptionally* held in the Amphitheatre 2 of the LPT-Orsay (further information will be given during the week).

### Invisibles School Posters:

Participants presenting posters are reminded that *no printing facilities* will be available and that they should *bring the final version of their posters with them*. At the registration we will let you know where/how to place them.

### Meals during the School:

Breakfast will be served from 07h30 onwards. Lunches and dinners will be served in the Restaurant “Salle Automne”. Coffee&Tea Breaks will be held close to the lecture room. Saturday lunch will be exceptionally served in a picnic-style at the LPT-Orsay.

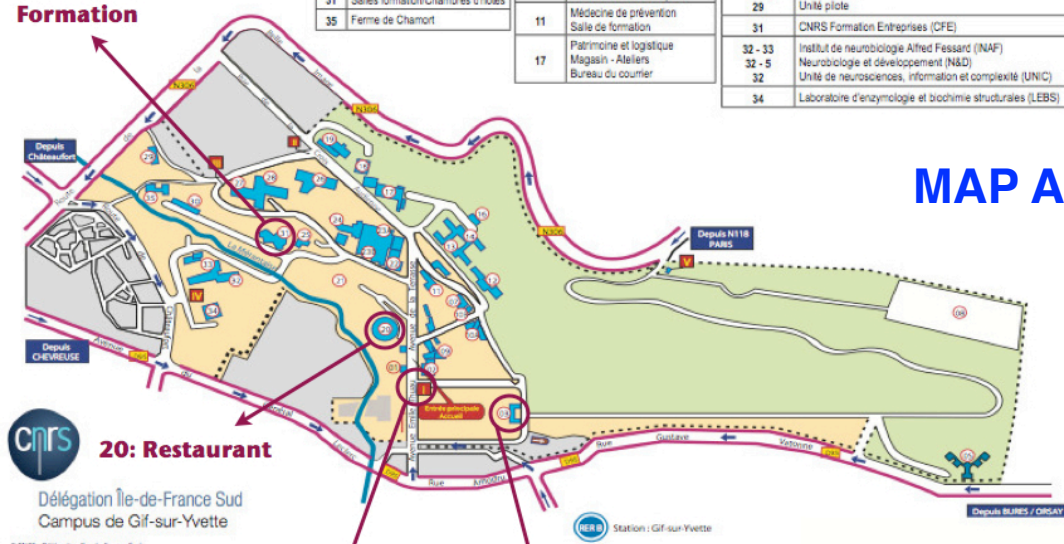
### Building 31

**31: Centre de Formation**

25	Station de compression d'air
31	Salles formation/Chambres d'hôtes
35	Ferme de Chamort

9	Formation Action sociale Bureau d'accueil campus
11	Médecine de prévention Salle de formation
17	Patrimoine et logistique Magasin - Ateliers Bureau du courrier

27	Institut de chimie des substances naturelles (ICSN)
23B	RMN HC
29	Unité pilote
31	CNRS Formation Entreprises (CFE)
32 - 33	Institut de neurobiologie Alfred Fessard (NAF)
32 - 5	Neurobiologie et développement (N&D)
32	Unité de neurosciences, information et complexité (UNIC)
34	Laboratoire d'enzymologie et biochimie structurales (LEBS)



CNRS main gate



Accueil

03: Château



Castle

## Arrival on the 7th July - reaching Gif-sur-Yvette:

Detailed information on how to reach the CNRS campus can be found in the School webpage. A few final tips...

### Arriving by plane to Roissy / Charles de Gaulle:

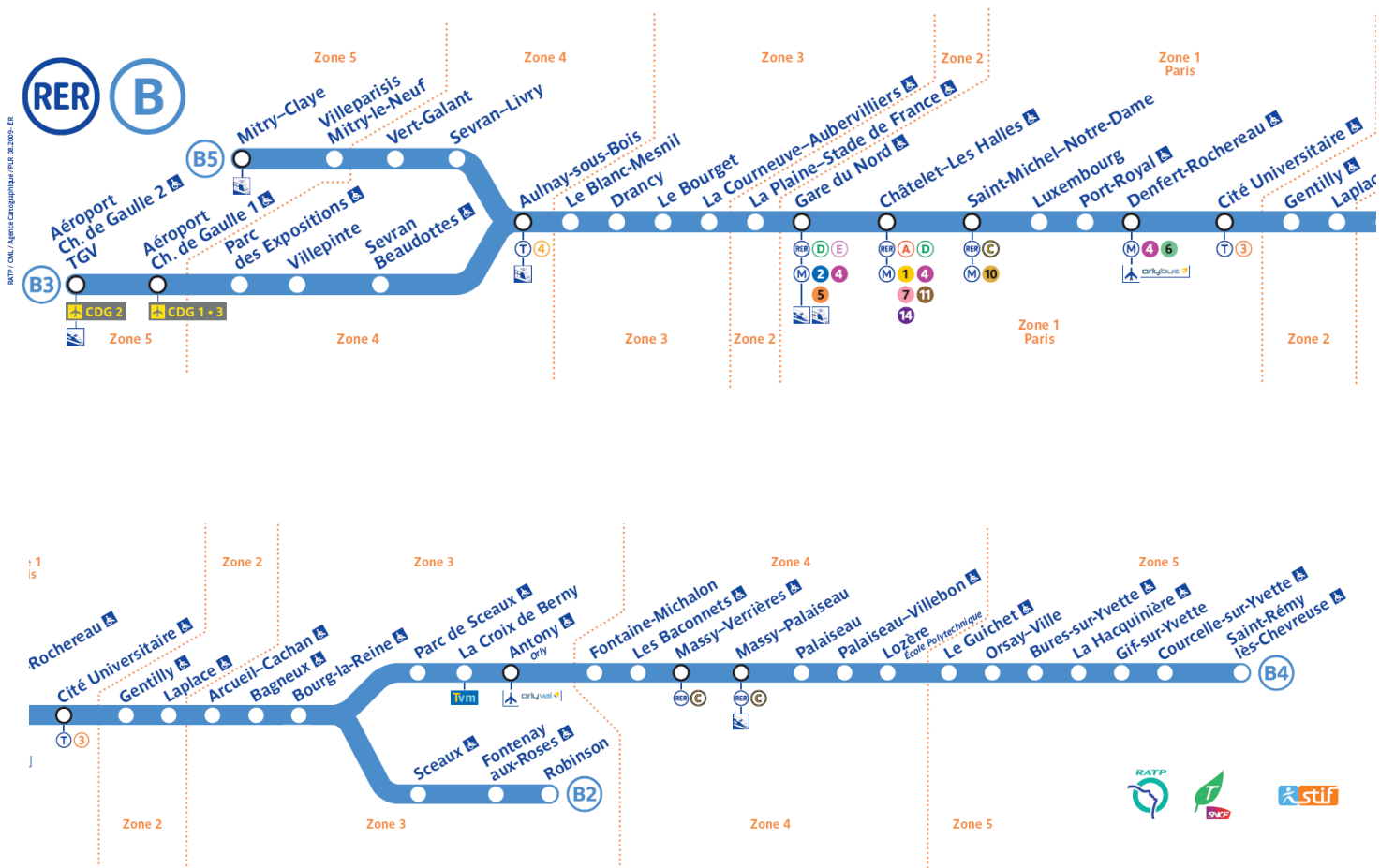
Follow the signs “Paris by train”, “RER”; at the RER station (you must purchase a ticket to Gif-sur-Yvette prior to boarding the RER train!) chose a train headed to “St Remy les Chevreuse”); alight at “Gif-sur-Yvette” station. (Around 1h30min - 1h45min.)

### Arriving by plane to Orly:

Follow the signs “ORLYVAL” and “Paris by train”; take the OrlyVal (you must purchase a ticket to Gif-sur-Yvette prior to boarding the train!), which will carry you to the “Antony” RER station; at “Antony” RER station chose a train headed to “St Remy les Chevreuse”); alight at “Gif-sur-Yvette” station. (Between 45min and 1h.)

### Arriving by train to Paris:

From any of the main stations (Gare du Nord, Gare de Lyon) join the “RER B” line - this can be directly done from Gare du Nord (lower floors), or via a Metro (see <http://www.ratp.fr/plan-interactif/>) from Gare de Lyon (you must purchase a ticket to Gif-sur-Yvette prior to boarding the Metro or RER train! a single ticket is required); at the RER station, chose a train headed to “St Remy les Chevreuse”); alight at “Gif-sur-Yvette” station. (Around 50min - 1h.)



## Arrival on the 7th July - reaching the CNRS campus:

Upon arrival at the RER station of “Gif-sur-Yvette”, follow directions to “centre ville” and exit the RER station.

The CNRS campus is located at end of “Av. de la Terrasse” - see the map below (map B). A stroll of 8-10 minutes should take you there.



## Arrival on the 7th July - accommodation:

On the 7th July, you can arrive at any time at the CNRS campus.

Your name will be in a list given to the guard at the main gate (see map A), so you only have to show some identity card (or passport), and you'll be allowed into the campus.

Notice that *between 12h00 and 13h30 the guard will be absent* - if you arrive during this period you will have to wait.

For those *arriving late*, there is no problem: they must identify themselves at the entrance gate (to be allowed to enter the campus).

Participants staying in the Castle (see map A) will find at the front gate an envelope with the key and instructions to reach the room, and can thus proceed to their rooms.

Participants staying in Building 31 (see map A) must go directly there - someone will be on duty all night and will welcome them.

Wifi connection is widely available in all the buildings (you will find instructions on how to connect displayed in the different buildings).

### Arrival on the 7th July - dinner on the 7th July:

We are organising an informal dinner in a small local restaurant. Participants will be able to choose from menus at a cost of 20Euros/person (any extra thing out-of-the-menu will be separately charged), which include various options (vegetarian as well).

The dinner will start at 20h30: we will start from the main entry of the CNRS campus at around 20h15.

If you want to join the participants, you should *confirm by replying to the email* you have received from the organisation, no later than 16h00 on the 2nd of July.

The restaurant is “L’île o’crêpes”, 1 Rue Neuve, Gif-sur-Yvette (see map B).

For more information, check the School webpage:

<http://indico.in2p3.fr//event/Invisibles14.School>

	Tuesday, July 8th	Wednesday, July 9th	Thursday, July 10th	Friday, July 11th	Saturday, July 12th	Sunday, July 13th
9.00 - 10.00	<b>Basics of v-physics</b> (1/2) R. Zukanovich-Funchal	<b>Neutrino theory</b> (1/3) F. Feruglio	<b>v-experiments</b> (2/4) D. Harris	<b>Neutrino theory</b> (3/3) F. Feruglio	<b>v-data analysis</b> (2/2) T. Schwetz	Free day
10.00 - 11.00	<b>Dark matter &amp; cosmology</b> (1/2) J. Silk	<b>Effective Theories</b> (2/3) H. Georgi	<b>Neutrino theory</b> (2/3) F. Feruglio	<b>Neutrinos in cosmology</b> (1/2) J. Lesgourges	<b>Neutrinos in cosmology</b> (2/2) J. Lesgourges	
11.00 - 11.30	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	
11.30 - 12.30	<b>Effective Theories</b> (1/3) H. Georgi	<b>Dark matter &amp; cosmology</b> (2/2) J. Silk	<b>Effective Theories</b> (3/3) H. Georgi	<b>v-experiments</b> (3/4) D. Harris	<b>LHC physics</b> (2/2) G. Perez	
12.30 - 14.00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	
14.00 - 15.00	<b>Individual study</b>	<b>Individual study</b>	<b>RER to Paris</b>	<b>v-experiments</b> (4/4) D. Harris	<b>Individual study</b>	
15.00 - 16.00	<b>Statistical Tools</b> (1/2) G. Cowan	<b>Tutorials</b>	<b>Outreach Event Paris</b>	<b>Tutorials</b>	<b>Tutorials</b>	
16.00 - 16.30	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	<b>Outreach Event Paris</b>	<b>Coffee and Tea</b>	<b>Coffee and Tea</b>	
16.30 - 17.30	<b>Statistical Tools</b> (2/2) G. Cowan	<b>v-experiments</b> (1/4) D. Harris	<b>Outreach Event Paris</b>	<b>v-data analysis</b> (1/2) T. Schwetz	<b>Geometrical approaches to amplitudes</b> S. Parke	
17.30 - 18.30	<b>Basics of v-physics</b> (2/2) R. Zukanovich-Funchal	<b>Discussion Poster presentation</b>	<b>Outreach Event Paris</b>	<b>LHC physics</b> (1/2) G. Perez	<b>Discussion Poster presentation</b>	
18.30 - 19.00			<b>Outreach Event Paris</b>			
19.00 - 21.00	<b>Reception &amp; Dinner</b>	<b>Dinner</b>	<b>Dinner</b>	<b>Dinner</b>	<b>Closing banquet</b>	

**invisibles**

neutrinos, dark matter & dark energy physics

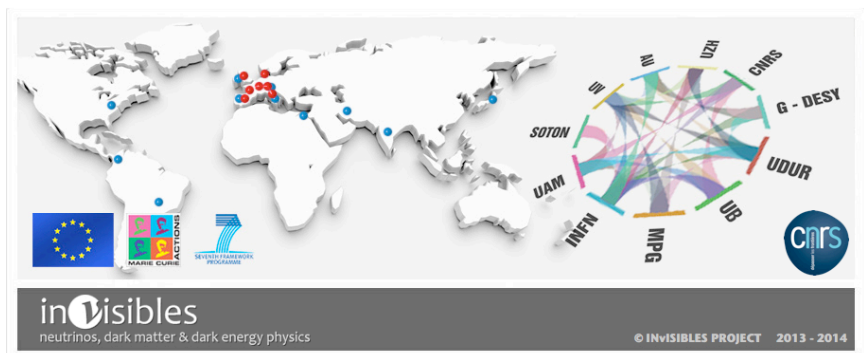
**School 2014**

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Looking forward to welcoming You in Gif-sur-Yvette,



Organisers



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neutrinos, dark matter & dark energy physics

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