



Circulaire n°4157 du 02/10/2012

Programme de formation au CERN pour les professeurs de Physique de l'Enseignement secondaire

Information concernant une formation pour les professeurs de Physique donnée au CERN (Suisse) en juillet 2013

Réseaux et niveaux concernés

- Fédération Wallonie- Bruxelles
- Libre subventionné
 libre confessionnel
 libre non confessionnel
- Officiel subventionné
- Niveaux : secondaire

Type de circulaire

- Circulaire administrative
- Circulaire informative

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- Du 1er septembre 2012 au 30 juin 2013

Documents à renvoyer

- Non
- Date limite :
- Voir dates figurant dans la circulaire

Mot-clé :

programme, formation, cours de physique

Destinataires de la circulaire

- A Madame et Messieurs les Gouverneurs des Provinces ;
- A Mesdames et Messieurs les Bourgmestres ;
- A Mesdames et Messieurs les Echevins de l'Instruction publique ;
- Aux Pouvoirs organisateurs des établissements de l'Enseignement obligatoire libre subventionné ;
- du Pouvoirs organisateurs des établissements secondaires, ordinaires de l'enseignement officiel subventionné ;
- Aux directions des écoles secondaires ordinaires organisées ou subventionnées par la Communauté française ;
- des Chefs d'établissement d'enseignement secondaire, ordinaire organisé ou subventionné par la Communauté française

Pour information :

- Au Service général de l'inspection;
- Aux associations de parents ;
- Aux Organisations syndicales représentant le personnel enseignant ;
- Aux organes de représentation et de coordination des Pouvoirs organisateurs concernés.
- Aux Hautes-écoles, section pédagogique

Signataire

Ministre / Administration : Ministre de l'Enseignement obligatoire et de Promotion sociale
 Marie-Dominique SIMONET

Personnes de contact

Service ou Association :

Nom et prénom	Téléphone	Email
Jean-Paul HOGENBOOM	02/801.78.25	jean-paul.hogenboom@gov.cfwb.be

Service ou Association : Cabinet du Ministre Jean-Marc NOLLET, Ministre de la Recherche

Nom et prénom	Téléphone	Email
Eric REMACLE	02/801 76 37	Eric.remacle@gov.cfwb.be

Madame la Directrice, Monsieur le Directeur,

Madame la Préfète, Monsieur le Préfet,

Le CERN (Organisation européenne pour la recherche nucléaire) est l'une des institutions scientifiques internationales auxquelles participe notre pays.

Les récentes découvertes relatives à l'existence du boson de Brout-Englert-Higgs devraient permettre à la science de faire un nouveau bond inouï vers une meilleure interprétation de notre univers.

Il faut savoir également que le CERN contribue à la formation des professeurs de physique de l'enseignement secondaire originaire des états membres.

Ce programme de cours d'été de trois semaines, dispensé en anglais, est accessible aux enseignants de l'enseignement secondaire de la Fédération Wallonie-Bruxelles. Il permet une formation poussée sur tous les développements récents de la physique, dans le cadre du site du CERN à la frontière franco-suisse et avec un soutien financier du Gouvernement belge.

Vous pourrez trouver en annexe la copie des pages du site du CERN par lesquelles les candidatures peuvent être transmises directement aux responsables de la formation. Ces inscriptions doivent impérativement parvenir avant le mois de mars pour le cours d'été de juillet.

Je vous souhaite bonne réception de cette présente circulaire et vous remercie d'avance de l'intérêt que vous ne manquerez pas d'y porter et de la diffusion que vous en assurerez auprès des enseignants de physique de votre établissement.

Je vous prie de croire, Madame la Directrice, Monsieur le Directeur, Madame la Préfète, Monsieur le Préfet, en l'expression de mes sentiments les plus distingués

La Ministre ,

Marie-Dominique SIMONET

Annexes : 4 pages

	<h1>High School Teachers at CERN</h1>	
WWW.CERN.CH	TEACHING MATERIALS	HST PROGRAMMES
	VISITING CERN	LINKS & BOOKS
		

The main goal of this site is to document the work done by the participants of the programme and to collect material useful for classroom activities and public education in physics, which is then available for everyone.

NEWS

We are now accepting applications for HST2012 which will take place from 1 - 21 July 2012

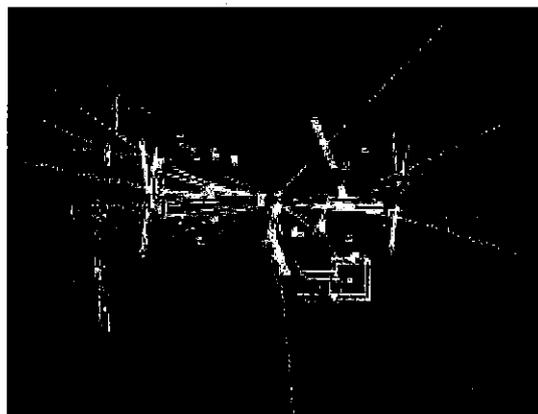
TO APPLY PLEASE FOLLOW THE LINK BELOW

HST TEACHING MATERIALS

[Accelerators](#)
[Bubble chambers](#)
[Build a Cloud Chamber](#)
[Feynman diagrams](#)
[Detectors](#)
[Experiments](#)
[About CERN and HEP](#)
[General Physics](#)
[Syllabus review](#)

VISITING CERN

[Microcosm](#)
[CERN websites](#)



The First Z Particle 30th April 1983 (CERN Photo)

PHYSICS LINKS

[General Physics](#)
[Particle Physics](#)
[Research Organizations](#)
[Books and Journals](#)
[CERN's Educational Page](#)

HST PROGRAMMES

[1998](#), [1999](#), [2000](#), [2001](#),
[2002](#), [2003](#), [2004](#), [2005](#),
[2006](#), [2007](#), [2008](#), [2009](#),
[2010](#), [2011](#), [2012](#)

SITEMAP

WORKING AREA

Send e-mail to [webmaster](#) or [any participant](#).

The HST Programme is funded by CERN and is organised in the context of the educational outreach programme of the Physics Department Education Group. The participation of USA teachers is supported by a grant from the National Science Foundation. Latin American participants have been sponsored by the High Energy Physics Latin American-European Network (HELEN) programme. The participation of teachers from developing countries has been organised in collaboration with the UNESCO International Basic Sciences Programme.



CERN Programme for Physics High School Teachers

This 3-week residential programme, which has been taking place every year since 1998 at CERN during the month of July, is open to Physics High School Teachers from all CERN member and observer States, as well as from other countries subject to funding availability, who would like to update their knowledge of particle physics, its associated technologies and related subjects.

Goals of the High School teachers' programme:

- To promote the teaching of physics and, in particular of particle physics, in high schools
- To promote the exchange of knowledge and experience among teachers of different nationalities
- To expose teachers to the world of research
- To stimulate activities related to the popularization of physics within and beyond the classroom
- To help CERN establish closer links with European schools
- To encourage the cooperation between CERN and existing programs sponsored by the European Union in the area of scientific education

The work produced during the 3-week programme is documented and collected by the participants at -

<http://teachers.cern.ch/>.

Please consult this site for more details about the programme, and for a good collection of materials to be used in the class-room.

Who can attend?

All high school teachers from the CERN member states can apply to participate in the programme. Some funds may be available to support teachers from non-member states as well. Please note that all applicants should :

- **have a good working knowledge of the English language** (this is **VERY IMPORTANT** as the programme will be delivered entirely in English)
- have some basic computing skills (use of mail and of the Web)
- be committed to attend in full the 3 weeks of the programme (no late arrivals, no early departures)

Preference in the selection will go to teachers who have a proven experience of extra-curricular activities, such as:

- participation in EU-sponsored programmes (Comenius, etc)
- organization of educational activities (Physics Olimpiades, Summer courses for students)
- contribution to the planning of national curricula
- writing of text-books
- involvement in the activities of National Teachers's Associations, or other national and international educational bodies
- etc.

No a-priori knowledge of or experience with high-energy physics is required, but a **good working**

knowledge of English is essential in order to get maximum benefit from the programme.

The 2012 Programme:

The programme will take place at CERN during the period

July 1st (arrival date) - July 21st (departure date)

The programme content will be similar to previous year's and will be published closer to the start date. Click here to see the details of the [2011 programme](#).

Housing:

All participants will be housed in the CERN on-site hostel facilities.

Financial support:

Financial support will be provided to all participants from CERN member states. The support will cover up to 2,000 CHF for living expenses, and up to 500 CHF for travel costs.

HST2012 Application Instructions:

To apply for HST2012, all applicants other than those from the USA and Canada, must register with the CERN e-Recruitment system and follow a 2 part process in which you are asked to supply Personal Details, answer some HST2012 specific questions and optionally include your Curriculum Vitae (CV).

Please carefully read the instructions that are provided at each stage of the process.

The application process is now open and will close on March 16th 2012.

Applicants from the USA are asked to contact the [US HST coordinator](#).

Applicants from Canada are asked to consult the website of the [Canadian Association of Physicists](#).

All other candidates are should follow this link to [apply for HST2012](#).

For further information, please contact:

Mick Storr,
HST Programme Coordinator
tel: +41-22-767 8264
fax: +41- 22-766 9769

HST2012 Application Instructions

Please carefully read the following instructions.

Step 1: Registration - when you follow the link below you will be asked to register with the CERN e-Recruitment system. Please supply a login id and password and remember to keep a note of both. You use these whenever you want to access the system.

If you have previously registered use your old login id and password to access the system. If you have forgotten your id and/or password the system will send you an email with the information if you are able to supply the mail address you used when you registered.

Step 2: Personal Details - when you are successfully logged in you will be asked to supply personal details about yourself. Please note that many of the questions are mandatory and must be filled in. The others may be left blank if they are not relevant. This section is common to all CERN applications and more information is requested than is needed for HST2012. To save you time in understanding what is required, here is a completed application with the information we need - Example Personal Details.

Step 3: HST Specific - in this section you are asked a few HST specific questions. Please answer them and type your CV into the box provided or attach it as described in step 4. Please note that your CV should describe your principle education, positions held, professional interests outside the classroom, etc.

We are particularly interested to hear about education related projects in which you have participated or are participating, teacher groups of which you are a member, extra curricula teaching activities, etc. When you have completed this section you can apply for HST2012 by clicking the apply button. You can then see and print your completed application by choosing My Jobs and opening your application link.

Step 4: Optional attachment of your CV - if you did not enter your CV directly in the HST Specific section, for example because you already have it prepared in another format, you can attach it by choosing My Jobs and using the My CV link under the My Data column.

We hope that you are able to follow this process without too much trouble and of course we are very interested to receive your comments and feedback which you can send to Mick.Storr@cern.ch. If you have difficulties please do not hesitate to ask for help.

We look forward to receiving your application - good luck. You will be able to follow this link as soon as we start accepting applications:

[Apply for HST2012.](http://teachers.web.cern.ch/teachers/HST2012Application.html)

Mick Storr