

***During the summer of 2020, Hadron Physics Department (HPD) of the National Institute for Physics and Nuclear Engineering - Horia Hulubei (IFIN-HH) organises the Summer Student Program for a limited number of students in physics, electronics and IT disciplines from Romania and any other country.***

HPD is a research department involved in leading-edge studies of strongly interacting matter from nuclear structure and dynamics up to the highest energy or baryon matter densities attainable in our days in the laboratory. Over the years the members and teams of HPD, based on the local top level infrastructure, have been involved in a visible and competitive way in several international collaborations. Detector R&D, front-end electronics development, simulations, detector construction, calibration, data analysis and their interpretation and development of microscopic models are the fields in which HPD is constantly playing an important role.

Detailed information about HPD can be found here: <http://niham.nipne.ro>

## **General Information**

**Scope:** Each participant joins one of the HPD research groups and works on a small project during the program. A series of seminars and lectures are presented in various research fields.

**Level:** Advanced undergraduate level (3rd to 5th year of study, i.e. last year of Bachelor or during Master studies)

**Duration:** July 15 - September 15, 2020

**Number of Participants:** maximum 6

**Accommodation and Reimbursement:** Accommodation will be provided in a master students accommodation near to HPD (IFIN-HH). A support for accommodation and daily allowance will be covered.

**Qualification:** Applicants should have completed the 3rd year of study as well as courses in one of the following three fields: nuclear physics, high energy physics, or atomic physics by the beginning of the program.

## **Applications**

The **application period** for the 2020 program opens February 1st, 2020 and will be closed by March 31, 2020.

## **Hadron Physics Department - 2020 Summer Student Program**

**July 15 - Sep. 15, 2020**

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### **APPLICATION FORM**

**(Dead line: March. 31, 2020)**

Application form of the Summer Student Program 2020 at HPD(IFIN-HH). The program addresses to students in physics and engineering disciplines on the advanced undergraduate level: students during their last year Bachelor studies or during their Master/Diploma studies.

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The submitted application data will exclusively and confidentially be used for processing your application. In case of a positive decision on your application, the data will further be used to prepare the required administrative steps to invite and to finally welcome you as a participant of the program. Our data processing is thereby in compliance with European and Romanian Personal Data Protection Laws.

Your personal data will be used for the following purposes:

1. the evaluation of your educational data including academic transcript and confidential reports by our selection committee consisting of scientists of HPD and administration of IFIN-HH;
2. in case of an invitation and subsequent participation: the processing and storage of your master and contact data for pre-contractual and contractual measures by our services; this implies legally required retention periods for certain data. Thereby no data will be given to third parties out-side our centre unless it is legally required (e.g contacting public agencies).

## Further Notes:

**Photos and Names of Participants** will be posted on our public web-pages only with the consent of the persons concerned;

**Data security:** All application data including required pdf-documents and reports will be confidential.

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**Public web pages:** [http://niham.nipne.ro/program\\_studenti.html](http://niham.nipne.ro/program_studenti.html)

# 2020 Summer Student Program at HPD

July 15 - Sep. 15, 2020

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## APPLICATION FORM (Dead line: March 31, 2020)

The program addresses to students in physics and related natural science and engineering disciplines on the advanced undergraduate level: students during their last year Bachelor studies or during their Master/Diploma studies.

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If you would like to apply, please fill-up the following form and send it to us via e-mail.  
By submitting this application form you agree with the use of your personal data as stated above.

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**Use the Surname (family name) and Given Name(s) as stated in your international passport**

Surname  
(family name):  Gender

Surname  
(family name):

Given Name(s)  
(first names):

Address:

Email:  (only one valid email address!)

City\*:  Mobile Phone:

Country:  Fax:

Date of Birth:  Nationality:   
(enter as: dd.mm.yyyy)

(\*incl. Postal Country & City code) (incl. Country code starting with "+"-sign & Area code)

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### Please enter your University or comparable education steps up to now:

For University, Technical Univ. or School: *PLEASE* enter in the form:

*City, Abbreviation of University, e.g: Physics Faculty, Bucharest University*

most recent: from: to:

previous: from: to:

pre-previous: from: to:

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Main field of studies

In which course of studies will you be during SUMMER SEMESTER 2019:

When did (or will) you finish the following academic degrees:

Bachelor degree:  mm.yy

Master or Diploma degree:  (the year)

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Courses taken for how many semesters (enter 0 for courses not taken):

Nuclear Physics:

Other relevant Courses and Compute skills  
(such as C, C++, Fortran, Mathematica,  
LINUX, LaTeX, etc.):

Particle Physics:

Atomic Physics:

My communication in English is:

Which kind of work do you prefer:

**kind of work**

**Place your choice below  
use initial letters only**

Experimental work

Computer-code development

Data-analysis

Theoretical work (very few places)

Any type of work

(multiple choices possible)

Our selection committee requests a short comment (few lines) which explains your special interest in the Summer Student Program at HPD. Please also mention other important involvements during your studies such as other (summer) schools with date place and duration, supervisor.

**Motivations, Interests and other informative Comments:**

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**We further require the following application documents to be submitted online before March 31:**

1. two **confidential reports** of two independent professors, lecturers or scientists of your university or of a related research center to be submitted electronically via e-mail.
2. a current **Academic Transcript** - this is a report about recent (last two years) academic examinations so far passed usually issued by your faculty; (English translations is preferred)

and for **applicants with citizenship from countries outside the EU:**

- a copy of your **international pass port**;
- a **Certificate of Enrollment** that testifies that you will be an enrolled student during the Summer Student Program.

**The documents under point 2 should be sent as pdf-document.**

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**The applicants will be informed about the results of the selection procedure per e-mail at latest end of April.**

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In case of problems contact us by email:  
mpetro@nipne.ro

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