



## S.I.S.S.A.

SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI - INTERNATIONAL SCHOOL FOR ADVANCED STUDIES  
Via Beirut n.2-4, 34014 Trieste (Italy) tel.: 040-37871 - telefax: 040-3787528

### Academic Year 2007/2008

In accordance with articles n. 14, 15 and 16 of the Statutes, published in the "Gazzetta Ufficiale" n. 62 dated 15.03.2001, in compliance with the decision of the governing bodies, the International School for Advanced Studies in Trieste offers post-graduate training with the possibility of obtaining the "Doctor Philosophiae" (Ph.D.) degree, which is equivalent to the Italian "**Dottore di Ricerca**" in accordance with article n. 18 of the aforementioned Statutes, in the following fields:

#### **Astroparticle Physics Theory of Elementary Particles**

The Ph.D. programme lasts for three years and is based on teaching and research activities, with examinations to determine admission from one year to the next and the attainment of the Ph.D. degree. The course of study may be extended for a fourth year, subject to approval by the School authorities.

In accordance with law n. 398/89 and Ministry Decree dated 11.08.1998 published in the "Gazzetta Ufficiale" n. 293 dated 16.12.1998, the School offers fellowships to students who have made a specific request in their application, and who meet the requirements concerning personal income as stipulated in the regulations. The fellowship is awarded for 3 years, extendable for a fourth year subject to approval by the School authorities and to availability of funds. Candidates may also hold fellowships from other sources, however these cannot be held in addition to those awarded by the School. The School may supplement external fellowships if they are of an amount less than those awarded by the School.

To be admitted to the School, candidates must be in possession of the Italian **laurea (laurea specialistica** as per new rules) in a scientific subject, or of a University degree obtained abroad and considered equivalent by the governing bodies of the School (i.e. M.Sc.). This degree must have been conferred within the starting date of the teaching programme and, in any case, by **October 1, 2007**.

The School welcomes applications from young candidates soon after completion of their undergraduate studies with a strong interest in research even if without previous specific experience.

#### ● **Positions available:**

The total number of positions available for each field, is:

|                                       |          |
|---------------------------------------|----------|
| <b>Astroparticle Physics</b>          | <b>4</b> |
| <b>Theory of Elementary Particles</b> | <b>5</b> |

• **Application procedure:**

Candidates should send their application (see attached facsimile), together with:

- a curriculum vitae et studiorum;
- a certificate of University examinations taken (with marks) in Italian, English, French, German or Spanish;
- a final degree certificate in Italian, English, French, German or Spanish;

If, at the time of application, candidates should not be yet in possession of a degree certificate, they can submit it at the time of the examination.

*European Union candidates can submit a personal declaration instead of the aforementioned certificates.*

- a copy of the diploma thesis (if any);
- at least one letter of reference;
- any further information which they consider to be relevant.

**The International School for Advanced Studies will respect the reserved nature of the information submitted by the candidates. All the data will be used for the purpose of the competition only and for the eventual fellowship, in accordance with the Italian Legislative Decree 196/2003.**

Applications should be sent to the following address:

**SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI  
Via Beirut, 2-4  
34014 Trieste Miramare-Grignano  
ITALY**

**For information: Tel. 040-3787452 E-mail: [phd@sissa.it](mailto:phd@sissa.it)**

• **Deadline for submission of applications and schedule of examinations:**

Applications for **Theory of Elementary Particles**, together with all the required documents, must **reach** the School **no later than 13.00 hrs. on July 11, 2007**. Applications by FAX and E-mail will not be accepted.

**Late arrival of the application, for whatever reason, even if sent before the deadline, will not be accepted.**

**Candidates who are in possession of the above qualifications and who do not receive notification to the contrary, should attend the written exam which will take place at S.I.S.S.A., Via Beirut n. 2-4, on the following date:**

**Theory of Elementary Particles**

**July 18, 2007 - 09.00 hrs.**

**The oral examinations will take place on the day after each written examination.**

A minimum mark of **7/10** in the written examination is required in order to be admitted to the oral examination. A total mark of not less than **7/10** (academic qualifications, written and oral exams) is required to be considered "eligible" for admission to the School.

Applications for **Astroparticle Physics**, together with all the required documents, must **reach** the School **no later than 13.00 hrs. on August 28, 2007**. Applications by FAX and E-mail will not be accepted.

**Late arrival of the application, for whatever reason, even if sent before the deadline, will not be accepted.**

**Candidates who are in possession of the above qualifications and who do not receive notification to the contrary, should attend the written exam which will take place at S.I.S.S.A., Via Beirut n. 2-4, on the following date:**

**Astroparticle Physics**

**September 3, 2007 - 09.00 hrs.**

**The oral examinations will take place on the day after each written examination.**

A minimum mark of **7/10** in the written examination is required in order to be admitted to the oral examination. A total mark of not less than **7/10** (academic qualifications, written and oral exams) is required to be considered "eligible" for admission to the School.

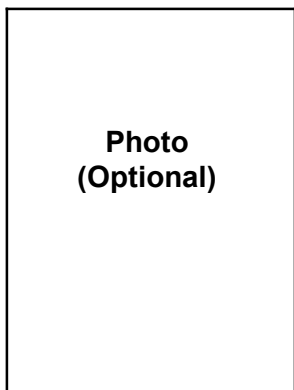
**A contribution towards documented travel expenses, of up to a maximum of 150 €, will be given to all candidates who have handed in an examination paper which can be evaluated, with the exclusion of expenses incurred using their own means of transport.**

**All those students admitted to the School will receive a telegramme confirming their place and fellowship (if awarded). They will also be asked to be present at the School on October 1; failure to do so without a valid reason will result in the loss of the place and fellowship awarded.**

Trieste, December 2006

*The Director*  
*Prof. Stefano Fantoni*

APPLICATION FORM



To the Director of S.I.S.S.A.

Via Beirut 2 - 4

34014 Trieste

Italy

I, the undersigned (name and surname).....  
born in ..... on .....  
resident in (full address for correspondence concerning application) .....  
.....  
telephone/fax no. .... e-mail address (if any).....;

REQUEST

to take part in the **entrance examination** for the following Ph.D. course(s):

- Astroparticle Physics**
- Theory of Elementary Particles**

I declare, on my own responsibility, the following:

- a) to be a ..... citizen;
  - b) to possess a sufficient/average/good/excellent knowledge of the English language;
  - c) to have a degree obtained / to be in the process of obtaining a degree on (date) .....  
from the University of .....  
with the final mark.....;
  - d) to undertake to follow the Ph.D. course on a full time basis in accordance with the Statutes of the  
School and the regulations of each Sector;
  - e) to undertake to communicate any changes in address immediately.
- I furthermore request that, in the case of admission, I be assigned a fellowship, in accordance with  
the law 398/89. (Tick box if this is the case).

I enclose the following documentation:

- Curriculum Vitae;
- Certificate of University examinations taken (with marks) or self declaration (for EU candates only);
- Degree certificate or self declaration (for EU candidates only);
- Copy of thesis (if any);
- No. .... letters of presentation;
- Other (specify) .....

**The International School for Advanced Studies will respect the reserved nature of the information submitted by the candidates. All the data will be used for the purpose of the competition only and for the eventual fellowship, in accordance with the Italian Legislative Decree 196/2003.**

Date, .....

Signature .....