

ISAPP 2013 Stockholm, Sweden, Circular #1 (updated June 10, 2013)

New: Payment deadline prolonged from June 15 to June 21 due to problems setting up the payment site

Every year, the ISAPP European network organizes schools addressed primarily to PhD students - experimentalists, observers and theorists - in the field of astroparticle physics.

The present school will be held near Stockholm, in Djurönäset Conference Center July 29 – August 6. Djurönäset is nicely located in the beautiful archipelago of Stockholm, connected by a bridge to the mainland with convenient bus connection, or 45 min by taxi or car, to central Stockholm. The school will be devoted to “Dark Matter: Composition and Detection”, an exciting subject dealing with the still unsolved puzzle of contemporary astroparticle physics and cosmology: what is it that makes up some 80 per cent of the matter in the Universe? The goal of the school is to offer detailed knowledge of current theories, models, and experimental methods to the participants.

Introductory courses will set the scene at the interface between particle physics and astrophysics and cosmology, while main lectures will review the most promising theoretical models as well as methods for the detection of dark matter. Specific types of experiments using neutrinos, cosmic-rays, gamma-rays and other electromagnetic types of radiation will be covered in lectures illustrated with recent results.

The program will be completed by a prospective outlook and discussion of future possible experiments of the domain, and a special presentation of very recent new results in the field. Confirmed lecturers include Graciela Gelmini, Marc Kamionkowski, Subir Sarkar, Paolo Gondolo, Torsten Bringmann, Jules Gascon, Mark Vogelsberger, Fiorenza Donato, Alex Read, David Boersma, Alessandro Melchiorri, Jan Conrad, and Albert de Roeck.

The schedule is organized with time slots devoted to interactions between students and teachers. As mentioned, participants are encouraged to bring posters presenting their research work. Sessions will be organised for the posters to be presented, and a few will be selected for oral presentation.

The School is open to PhD students and post-docs working in the field of high energy astrophysics, astroparticle and particle physics. A letter from each registrant's advisor is mandatory to finalize the registration process. This letter should be sent to isapp2013stockholm@gmail.com to arrive before **May 31st**.

Pre-registration on the home page <http://okc.albanova.se/isapp2013stockholm> will be open until **May 31st**, 2013.

As the attendance is limited to 60 participants, a selection of participants will be made at the end of the pre-registration period. Information about final acceptance will be given by May 31st 2013 the latest, and payment has to be made using the payment instructions to be mailed to approved participants (who have received an email of acceptance), before **June 21st** to validate participation.