



**2015 IDPASC School
PARIS, France**

The IDPASC Network is organizing its annual European school in Particle Physics, Cosmology, Astroparticle Physics and Astrophysics in Paris from February 8th to 21st, 2015.

The school welcomes 30 students for a two weeks period and offers a broad scientific education on the topics covered by the network. The students will benefit from classes given by high-level experts in the fields of Particle Physics, Astrophysics and Cosmology.

The program is built on 4 main courses :

- Foundations (Quantum Field Theory, Standard Model Physics, BSM Modeling, Supergravity, General Relativity)
- Physics at High Energies (Search for new physics at LHC run II and ILC)
- Physics in the universe (Cosmology, Dark Matter and Dark Energy, Astroparticles)
- Tools (Statistics for Particle Physics and Cosmology, Accelerator Physics, Detection Techniques)

The school is based on a schedule that offer both theoretical and experimental presentations together with the special organization of hands on and tutorial classes.

The classes will be organized both at LPNHE at Laboratoire de Physique Nucléaire et des Hautes Energies (LPNHE) on the campus of Université Pierre et Marie Curie (UPMC) and at Laboratoire AstroParticules et Cosmologie (APC) on the campus of Université Paris Diderot.

The students will be hosted at FIAP Jean Monnet (Paris) where they will also have breakfasts and dinners. Lunches will be taken at UPMC. **The total fees for the two weeks is 600 euros including accommodations.** The school benefits from the financial support of LPNHE, APC, Fédération de Recherche sur les Interactions Fondamentales (FRIF), and the two Labex Institut Lagrange de Paris (ILP) and UnivEarths.

Registration opens Sept. 30th, 2014 and closes on Dec. 20th, 2014.