PHYSICS in CSIC



Spanish National Research Council

The Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC) is the largest public multidisciplinary research organisation in Spain. It has a staff of more than 12.000 employees, including 3000 scientists and 4000 pre and postdoctoral researchers, working in 130 Institutes and centres distributed across Spain. Its annual budget is close to 900 M euros.

Physical Science and Technology Area



The fundamental mission of the CSIC's Physical Science and Technology Area is the advancement of science by addressing new challenges, ranging from the basic approach provided by models and theories in physics and mathematics, through to the experimental and technological perspective where it serves as a complement to engineering.

Relevant ongoing projects with international dimension

- -ESA missions: XMM, Planck, Herschel, COROT, Integral, Solar missions.
- -ESO observatories: ALMA, VLT
- -CERN: LHC (ATLAS & CMS);
- -ILC, CDF
- -FAIR, SPIRAL-2
- -EELT, CTA, KM3NET

-EGI

New initiatives on instrumentation and energy

- -Cryogenic technology for space
- -Hard radiation sensors for high multiplicity
- -Optical fibers, microlenses, adaptive optics
- -Biomed photonics & neural imaging
- -Social robotics
- -High efficiency photovoltaic pannels
- -Fuel cells

http://www.csic.es