

# 6th DITANET Topical Workshop on Particle Detection Techniques



**Monday 7 November 2011 - Tuesday 8 November 2011**

**Centro Nacional de Aceleradores - CNA**

## **Scientific Programme**

## **DITANET topical workshop on Beam and Reaction Detection Developments and Applications**

The next DITANET topical workshop on “Beam and Reaction Detection Developments and Applications” will be held at the National Accelerator Centre (CNA) Seville, Spain, on November 07th and 08th of 2011. The workshop venue is the own CNA, located at C/ Thomas Alva Edison, 7, inside the “Parque Científico y Tecnológico Cartuja”, Seville, Spain.

Accelerators Facilities are under continuous development. As examples, the radioactive ion beams (RIB) facilities GANIL and GSI laboratories are optimizing their installations in the context of the European projects “Facility for Anti-proton and Ion Research” (FAIR) and “Système de Production d'Ions Radioactifs Accélérés en Ligne de deuxième génération” (SPIRAL II). An accelerator-based neutron source has been defined as an essential step for material developing and testing, and is the basis of the project “International Fusion Materials Irradiation Facility” (IFIMIF) between EU, Japan, the Russian Federation and the USA. The future accelerator facilities imply on the need of developing a new generation of nuclear instrumentation to work under the new parameters required by beams and reactions produced by such facilities. Within this proposal, comprised in the objectives of the “Diagnostics and Techniques for future particle Accelerators NETwork” (DITANET), we provide the opportunity for exchange new ideas and to project the nuclear detection field into the next generation, in particular in view of the future particle accelerators under development.

The main workshop topics foreseen are:

- Beam Tracking Detectors
- Novel Detector Arrays
- Detector Applications