

# **First SaporeGravis Workshop (SGW 2013)**

**Monday 2 December 2013 - Thursday 5 December 2013**

**Nantes**

## **Scientific Programme**

The long term goal of the heavy ion experiments at relativistic energies is to provide a precise characterization of the high-density, high-temperature phase of strongly interacting matter. The first LHC heavy ion collisions in November 2010 has opened a new era in this field of subatomic physics to study the remaining open questions about the parton–hadron transition and the nature of confinement, and about the nature of QCD matter at high temperature. The production of open and hidden heavy flavours and their interaction with the the QCD matter represent one the the most promising probes of deconfined matter. In this workshop, the first results from the heavy ion first run (2010-2013) at the LHC will be reviewed and discussed with theoretical and experimental working in this field. The working groups of the network will start to work in the preparation of a comprehensive review of about we have learned with heavy flavour and quarkonium probes in the first heavy ion run at the LHC and with the new results from RHIC.