

# Probing the Strong Interaction at A Fixed Target Experiment with the LHC beams



**dimanche 12 janvier 2014 - vendredi 17 janvier 2014**

**Ecole de Physique des Houches**

## **Programme Scientifique**

The workshop will consist of review and topical talks along with ample time for discussion. The subjects which will be addressed are :

nucleon and nucleus pdf extraction in hadronic processes

spin physics

Quark-Gluon Plasma physics

nuclear matter studies in proton-nucleus

diffractive physics and ultra-peripheral collisions

heavy-quark dynamics and spectroscopy at high  $|x_F|$

beam extraction and secondary beams

studies of the crystal-extraction influence on the machine and detector performance

target polarization

modern detector technologies

event generator and detector simulation