



LAPTh (F. Boudjema) is coordinating an Indo French Laboratory, LIA (Laboratoire International Associé). The Indian coordinator is Rohini Godbole of the IISc (Indian Institute of Science) in Bangalore. The set up of the LIA is well timed since it covers the physics of the LHC, the LHC has just started colliding beams to achieve the unprecedented total centre of mass energy of 13TeV. After the discovery of the Higgs we are hoping that the opening up of this new threshold will allow discoveries that will shed light on the mysteries of the Higgs and provide clues about dark matter. The other major topic of the LIA is the study of the quark gluon plasma which intimately should provide clues about how matter forms in extreme conditions.

The LIA is structured around 4 nodes in each country. Participating laboratories represent the leading theory groups in both country with a high visibility internationally. The French laboratories are LAPTh, LPSC Grenoble, IPN Lyon, LPT Orsay, CPhT (Ecole Polytechnique) and IPhT CEA Saclay. On the Indian part beside IISc we have TIFR Mumbai, SINP/IACS/IISER Kolkata, IMSc Chennai and HRI Allahabad. The LIA IFTHEP (Indo French Theory High Energy Physics) , will run for an initial period of 4 years.