

## Data analysis and detector activities for the upgrade of the ATLAS experiment

The research activity will be carried out within the ATLAS group of Bologna, part of the ATLAS Collaboration at the LHC collider at CERN in Geneva. The activity will focus on data analysis for the measurement of the Standard Model parameters and in searches for physics beyond the Standard Model. The research program will also include experimental activities related to the upgrade of the detector in one of the topics in which the group is involved.