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Request for a DESY Summer Student in 2013

Name : Altan Cakir email : altan.cakir@cern.ch

Tel : 2835 Room : 1b/10.215

DESY-Group/Experiment : CMS - SUSY

In this project we will mainly work based on upgrade program of the CMS Detector and high luminosity run searches for supersymmetry and exotica analyses. We will use a couple of MC programs together with CMSSW and ROOT analysis package. For this analysis I have already suggested a student, Gökçenur Yesilyurt, who I know from my lectures in her university. I know her very well and we have already started to work on the basic principles of particle physics and its technical tools (Pythia, Madgraph, Delphes and ROOT). I believe Gökçenur will be a perfect candidate for this important project. I also believe that she will be a perfect Ph.D candidate for DESY in the future after this summer school.

Physics / Computing/ Engineering Content of the project :

Upgrade program of the CMS Detector, Supersymmetry Searches

Special Qualifications expected from the student (Computing,...) :

no specific experience, ROOT package

Other remarks :

the work is already started with Gökçenur Yesilyurt who is a candidate for the school

Supervisor(s) during the project (16/07/12 - 5/09/12) :

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