The DESY experimental group and High Energy Physics Group at Imperial College London invite applications for a PhD at Imperial College in particle physics associated with the CMS experiment and phenomenology interpretation of searches for New Physics at the LHC.

The PhD project is for a full time student who shares the time between DESY (approximately 80%) and Imperial College London (approximately 20%). The project is part of a DESY-IC programme where the successful candidate will obtain a PhD in Physics from Imperial College. The successful candidate will be employed by DESY. The salary is according to German standards.

DESY and Imperial College play a leading role in searches for New Physics like supersymmetry and dark matter with CMS, and you will contribute to the analysis of CMS data and to theoretical interpretations in the context of extensions of the Standard Model such as supersymmetry or simplified Dark Matter models.

You should have the necessary qualification to start a PhD in experimental or theoretical particle physics at Imperial College London. Good working knowledge of C++ is essential, expertise in applications of ROOT and knowledge of extensions of the Standard Model and statistical techniques for data analysis are desirable.

There will be regular travel to CERN & meetings elsewhere overseas.

Interested candidates are requested to submit a CV, copies of school and university examinations and a statement of research interest to Oliver Buchmueller < Oliver.Buchmueller@cern.ch > and Christian Schwanenberger < christian.schwanenberger@cern.ch >.