

16 – 21 July 2017
Göttingen / Germany

Hadron Collider School – HASCO

Physics of the Standard Model and beyond with LHC Run-II

The main objectives of the hadron collider physics school (HASCO) are introductory topics in elementary particle physics, in particular in hadron collider physics as relevant for research at the Large Hadron Collider (LHC). This includes lectures and tutorials on theoretical foundations of the Standard Model of elementary particle physics as well as experimental techniques to test it. Furthermore, a focus is placed on statistical data analysis and an introduction to the software package ROOT as well as pp-physics at 13 TeV. In addition, students will have the opportunity to discuss state of the art measurements and results with senior scientists in the field.

The school targets mainly Master of Science students, while advanced Bachelor students or early PhD students are also eligible. Please contact your local advisor for further details.

**Students from all universities are
encouraged to apply at
<http://hasco.uni-goettingen.de>**

**Application deadline
31 March 2017**

Partner institutions

Université Blaise Pascal Clermont-Ferrand • Université Joseph Fourier Grenoble • Université Paris-Sud (XI), Orsay • Institut de recherche sur les lois fondamentales de l'Univers, Saclay • Georg-August-Universität Göttingen • University of Bergen • University of Bologna • Università degli Studi di Milano • Università di Pisa • Università di Roma 'Sapienza' • University of Amsterdam • Jagiellonian University Krakow • Comenius University Bratislava • Universidad Autónoma de Barcelona • Universidad Autónoma de Madrid • Lund University • Stockholm University • Uppsala University • Universität Bern • European Organization for Nuclear Research – CERN • Université de Genève • University of Glasgow • University of Manchester • University of Oxford • University of Gent