

# Hadron Collider School – HASCO

Physics of the Higgs-boson and LHC Run-II

17 – 22 July 2016 in Göttingen / Germany

<http://hasco.uni-goettingen.de>

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 Higgs boson physics. In addition, students will have the opportunity to discuss state of the art measurements and results with senior scientists in the field.

The main target group are Master of Science students, where advanced Bachelor or early PhD students might be eligible as well. Please contact your local contact person for further details.

Students of the partner universities are encouraged to apply at <http://hasco.uni-goettingen.de>

Application deadline: **30 April 2016**

Partner institutions are:

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 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



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