



Graz Advanced School of Science
PHYSICS COLLOQUIUM OF THE UNIVERSITY OF GRAZ AND
THE GRAZ UNIVERSITY OF TECHNOLOGY

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Flavour matters – Highlights from the LHCb experiment

The Large Hadron Collider (LHC) close to Geneva holds many records. Amongst others, it is the world largest flavour factory. More than 10^{12} particles containing bottom quarks and even more containing charm quarks have been recorded by the LHCb experiment, in recent years. Exploiting these huge data-sets the LHCb experiment is an ideal laboratory to probe the Standard Model in precision measurements. The talk will give an introduction to the key ideas of quark flavour physics, present a selected overview of recent physics highlights and report briefly on the status of the commissioning of the upgraded LHCb experiment.

Date: Tuesday, 28 March 16:15

Location: Lecture Hall 05.01, Institute of Physics, University of Graz, Universitätsplatz 5

Host: Sarah Lindner

For a regularly updated colloquium program see: <https://www.if.tugraz.at/colloquium.html>