



OAW

Austrian Academy
of Sciences

HEPHY-SMI seminar

on fundamental interactions and symmetries

B-physics at the ATLAS Experiment at CERN

DANIEL SCHEIRICH

Charles Univ. Prague

ABSTRACT:

„The ATLAS experiment is one of the four main experiments at CERN's Large Hadron Collider. One of the topics of its wide physics program is study of heavy flavor production and properties of B hadrons. In my talk I will give an overview of the ATLAS experiment, concentrating on the aspects of the detector most important for the B-physics program.

I will also present recent results of few selected analyses, such as the measurement of the CP violation in $B_s \rightarrow J/\psi + \phi$ decay, the measurement of the decay asymmetry of $\Lambda_b \rightarrow J/\psi + \Lambda$, and the measurement of the branching ratio of the rare decay $B_s \rightarrow \mu\mu$."

DATE:

Thursday, 03.10.2013 - 10:00 s.t.

VENUE:

Institute for High Energy Physics
1050 Wien, Nikolsdorfer Gasse 18
Library, 1st Floor

<http://www.smi.oeaw.ac.at/groups/hephysmiseminar/>



Stefan-Meyer-Institut
für subatomare Physik



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