



OAW

Austrian Academy
of Sciences

HEPHY-SMI seminar

on fundamental interactions and symmetries

Parton distribution functions for LHC

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ABSTRACT:

I will introduce parton distribution functions (PDFs) at a pedestrian level and review the most important parametrizations and their differences. During the whole talk, the focus will be on the LHC, since its analysis are the main application nowadays and, moreover, it provides information about QCD that is relevant for the PDFs. I will point out areas where LHC contributes to the knowledge of PDFs and discuss, in turn, PDF related aspects one is facing in analysis. Finally, I'll give some prospect on where PDF fitting is heading in the future.

DATE:

Thursday, 22.10.2013 - 17:00 s.t.

VENUE:

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

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



Stefan-Meyer-Institut
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