

SEMINARIO DEL DEPARTAMENTO DE
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Parton Distribution Functions for the Large Hadron Collider

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Abstract: Precise knowledge of the parton distribution functions (PDFs) of the proton is essential to relate data to theory at the Large Hadron Collider (LHC). I will give an overview of the determination of proton PDFs from global analysis of existing data taken at HERA, the Tevatron and fixed-target experiments. Recent developments and current status will be described. In particular, a comparison will be made of predictions for LHC benchmark processes using the most recent PDFs from all fitting groups. Finally, I will explain how knowledge of the PDFs can be improved using LHC electroweak data.

Más información: <http://www.ft.uam.es/seminarios.html>