

Electroweak Run2 prospects



Marcin Chrzaszcz
mchrzasz@cern.ch

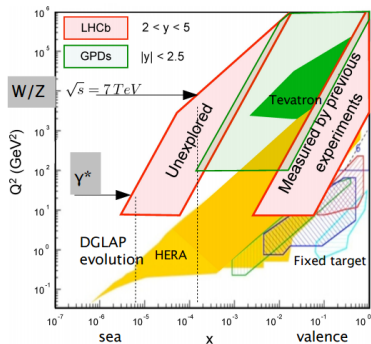


University of
Zurich^{UZH}

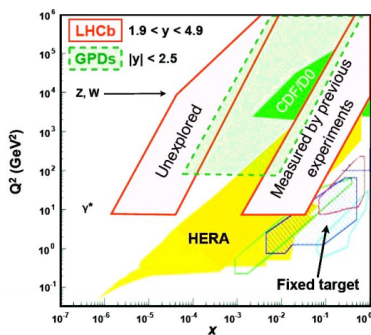
Zurich meeting, CERN
September 24, 2014

Higher energy!

7 TeV



14 TeV

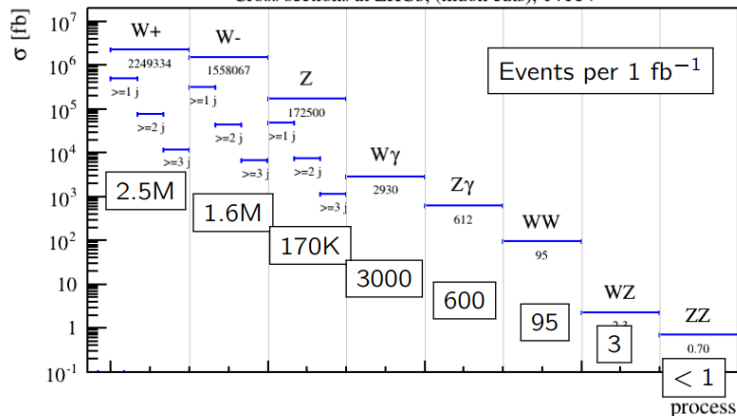


- LHCb cover a very unique region of the phase space that is not accessible for any other experiments.
- One could measure in this regime:
 - W, Z cross section.
 - Drell-Yan cross section.
- This measurements would strongly constrain the PDF in the fits.

Cross section

⇒ Higher energy ⇒ Higher cross section:

Cross sections at LHCb, (muon cuts), 14TeV



⇒ In contrast to RD the EW measurements should start much sooner as they are not statistically dominated!

Backup