

Introduction of WG on EWK precision measurements at the LHC



Hwidong Yoo

Purdue University

On behalf of the **the LHC W&Z Precision Measurement WG**

LHC EW WG meeting, May 21st 2012

Introduction

- ATLAS, CMS and LHCb experiments
 - Subgroup conveners
 - ATLAS: Alberto Belloni, Uta Klein
 - CMS: Slawomir M. Tkaczyk, Hwidong Yoo
 - LHCb: Simone Bifani, Katharina Mueller
- Bi-weekly meeting (try to be regularly)
 - You can find previous agendas in <https://indico.cern.ch/categoryDisplay.py?categId=3290>
- Precision measurements using W/Z/Drell-Yan
 - W/Z inclusive cross section
 - W rapidity, pt differential cross section
 - Z rapidity, pt differential cross section
 - W charge asymmetry
 - Drell-Yan differential cross section
- Goal of WG activity
 - Combine or compare the results among ATLAS, CMS and LHCb experiments and find the best way to do