

# XXI International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 296

Type: Talk in Parallel Session at DIS2013

## W' and Z' searches at the LHC

*Thursday, 25 April 2013 09:50 (20 minutes)*

Searches for extra heavy W' and Z'-bosons in the leptonic Drell-Yan channel at the LHC are favoured by present data. We focus on the common approximations used in theoretical and experimental analyses: neglecting interference and finite width effects. And present the implications of adopting such approximations on the data interpretation and the extraction of exclusion limits on W' and Z'-boson masses. First results from experimental analyses are quoted.

**Author:** Dr ACCOMANDO, Elena (University of Southampton)

**Co-authors:** Dr BELYAEV, Alexander (University of Southampton); Dr SHEPHERD-THEMISTOCLEOUS, Claire (RAL); Prof. KING, Steve (University of Southampton)

**Presenter:** Dr ACCOMANDO, Elena (University of Southampton)

**Session Classification:** WG3: Electroweak and Searches

**Track Classification:** Electroweak Physics and Beyond the Standard Model