

Introduction



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HSG5 weekly meeting – 23 February 2012

News! News! News!

- Our paper draft got to ATLAS circulation on Wednesday
- A lot of hard work and late nights went into this – THANKS!
- ATLAS reading of the first draft expected for Wednesday 29 February at 13:00
- BUT... few small issues have been found (and understood!) which will change results slightly – will report today to Ed.Board and see what to do

ATLAS Publication Draft	
Report number	ATLAS-HIGG-2012-08-001
Version	1
Title	Search for the Standard Model Higgs boson produced in association with a vector boson a
Submitter	klaus.moenig@cern.ch
Date of document	21 Feb 2012
Deadline for comments	28 Feb 2012
Note	Additional ATLAS internal supportive material can be found at: https://cdsweb.cern.ch/reco CDS by Tuesday, February 28. The open presentation is planned for for Wednesday, Febr that can be shown at conferences etc.
Draft abstract	This paper presents the results of the first ATLAS direct search for the Standard Model Higgs boson in the ma evidence for Higgs boson production is observed in a dataset of 7 TeV pp collisions corresponding to 4.7 fb ⁻¹ boson production cross sections for the channels considered are presented and discussed.
Keywords	Higgs physics ; experimental results

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MC12 Campaign

Several things are changing in the MC12 production:

- No automatic copying from MC11 samples – need to be requested samples again
- MC group is moving to modern MC generators
 - This means Pythia8, Herwig++, Sherpa, Powheg, for example, in detriment of Pythia6 and Herwig
 - Not sure where things stand with Alpgen, but much more time consuming to generate 4-vectors
- Need 8TeV HITS – takes a **long** time to re-generate all the HITS at 8TeV
 - Consider pdf reweighting of 7TeV samples as a backup plan
- We need a well defined list of requested samples asap!

Backup slides

