

Status of the Higgs Book

Aleandro Nisati & Vivek Sharma

9 July 2015

This Higgs Book

- Is very special !
 - So far there is nothing like what we are producing available for public. (We checked)
 - Having reviewed all chapters at least twice, it appears that we are converging on a book of a remarkably high standard and of great utility to the community. Bravo !!
- But those famous “3rd year Grad students” are **eagerly waiting** for us to finish up and get the book in their hands !!
 - So lets hurry up and finish !

Developments Since Last Meeting

- In late June we reconnected, orally, with the ATLAS and CMS publication board chairs and told them that a final product is imminent. They were happy to hear this but wanted to know when they can view the book draft.
 - **We should agree on a rough date at today's meeting**
 - Give them 2 weeks to inspect and “kick the tires” since there is nothing controversial in this book
- We should also immediately inform Tevatron Pub board chair or equivalent orally so they are not surprised...Tom/Wade can you do this ?
- Similarly for LEP ? Does a management structure still exist for LEP experiments ? If not then skip it. We have Peter !

Use of Plots that Say “Preliminary”

- We sent an email about this 3 weeks ago, not much feedback from authors
- We are using published results only in this book. So plots in Tevatron/LHC experiments’ URLs supporting the published results are OK including those unpublished.
- If the plot **you definitely need** is not in above, then OK to use plots from past PAS/Conf notes as long as they are still **valid and uncontroversial**. Be sure to ref the URL from which you got the plot in the figure caption. **Pl. keep usage of such plots to a minimum.** AN & VS will need to justify the necessity in usage of every “prelim” plots to respective pub boards.

STATUS OF INTERNAL REVIEWS

Internal reviews completed so far have been extremely productive and have helped enormously in improving the intended high quality of the book. Lots of friendly critique and lots of agreement, all conducted in a very good spirit. Bravo to all !

Our Current Understanding: Pl. check !

Chapter	Is ready for Review?	Has the Reviewer been asked?	Did the Reviewer send comments?	Have the comments been addressed ?
Overview	NO	Reviewer Busy ;-)		
Theory	YES	YES	YES	YES*VScomments
LEP	YES	YES	YES	YES
Tevatron	YES	YES	YES	?
LHCOverview	YES	YES	YES	YES- signed-off
H→gg	YES	YES	YES	YES- signed-off ^{vscomments}
H→4l	YES	YES	YES	NO
H→WW→lvlv	YES	YES	YES	NO
H→tautau	YES	YES	YES	NO
H→bb	YES	YES		
H→lvqq	YES	YES	YES	YES- signed-off ^{Kostaas}
H→llvv,llqq	YES	YES	YES	Fully addressed and committed ?
Combination	YES	YES	July 8th	Also address VS comments
Statistics	Not fully	YES	Sent 1 st comments	NO
MVA	NO (BDT++ missing)			
Summary	NO (do we need to have one?)			

We Need to Converge Soon !

- Need your urgent help to make finishing your chapter a very high priority in your schedule
- **Proposed schedule towards completion:**
 - Every chapter completed and sent for review: **Monday July 13th**
 - Every chapter reviewed and comments incorporated : **July 23rd**
 - **discussion now on viability of and conformity on these dates ?**
- **External Reviews** : As soon as internal reviews are completed for each chapter, we intend to send them out for external reviews from neutral referees that we will pick. Pl. feel free to suggest to us by **July 15th**, for your chapter, names of senior physicists who are not too busy and who you think can help improve your chapter's narrative.

Heads Up to World Scientific Publication Team

- To make up for the delays encountered in completing this book we plan to start a parallel conversation with World Scientific editorial staff and send them a tar file of whatever is in SVN on July 23th so that their technical team can:
 - anticipate and prepare in advance what we will eventually send them
 - **Check the latex format and layout issues (and changes we made)**
 - **Check # of color plots**
 - **Check if the quality of the figures and plots are acceptable**
 - **See if event displays need to be “color plates “**
 - **etc etc...who knows but them !**

**We are so so close !
So lets finish and move on to make new
discoveries !**