

Introduction



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HSG5 weekly meeting – 26 January 2012

News! News! News!

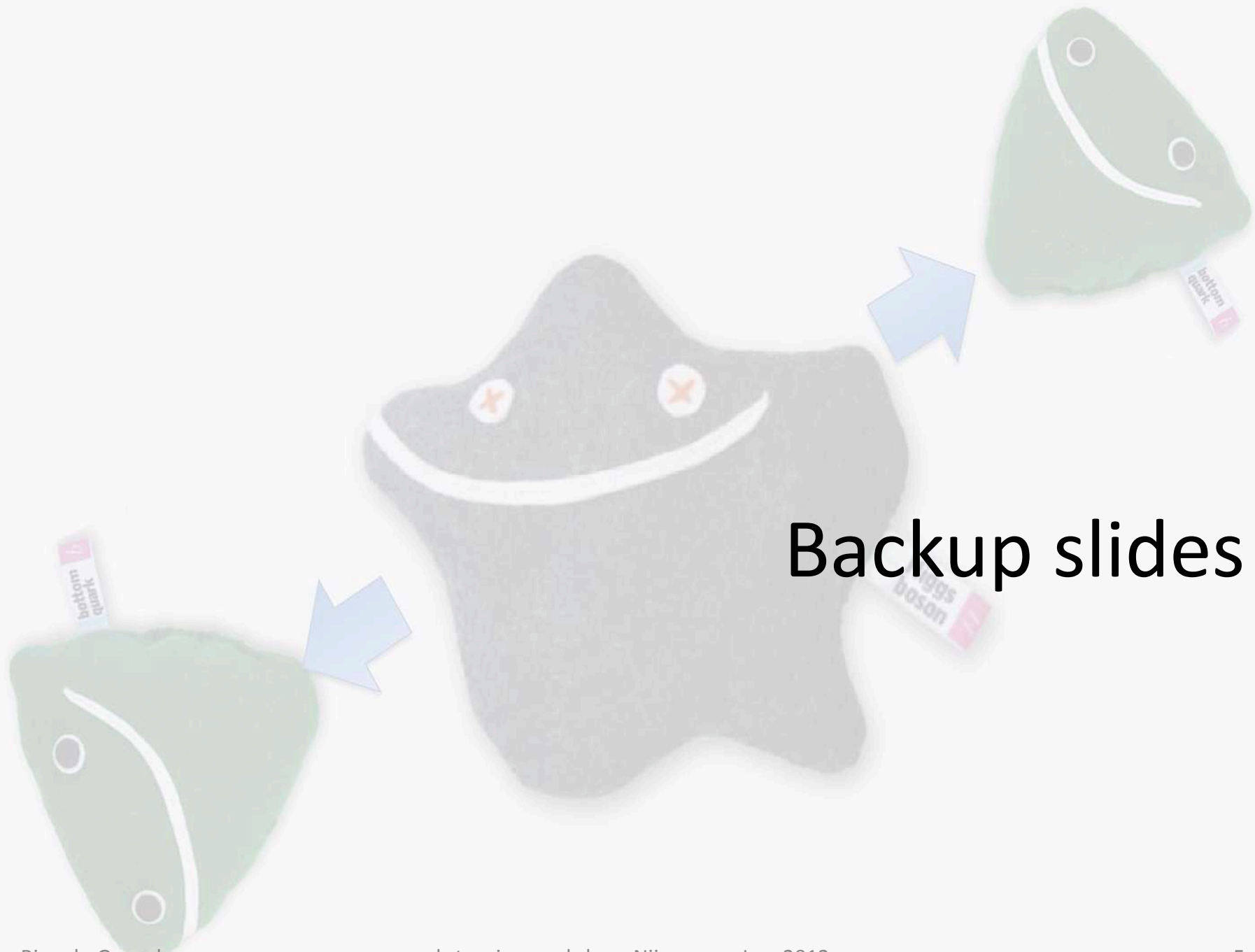
- From subconveners meeting:
 - ATLAS+CMS combination mid-March
 - Support notes: must agree with main publication
 - Possible boosted VH CONF note for Moriond or later discussed in PC
- HSG5: Lots going on...
 - Inclusive analyses:
 - Meeting with H- \rightarrow bb paper editorial board yesterday
 - Circulation to Higgs group on 1 Feb
 - Higgs approval talk on 6th Feb
 - Boosted VH:
 - Cut-flow comparison progressing
 - Interesting Z- \rightarrow bb results – see Ben's talk today

Meeting with editorial board yesterday

- WH- \rightarrow lvbb and ZH- \rightarrow vvbb:
 - Some questions to be answered:
 - Boundaries of Wbb and ttbar sidebands
 - Possibly limit calculation up to 135GeV/c²
 - Effect of $p_{\text{T}}^{\text{lead jet}} > 45\text{GeV}$ on low bb mass region
 - JES uncertainty estimate from W mass in ttbar
 - Use of b-tagging scaling factors
 - But no showstoppers
- ZH- \rightarrow vvbb on the critical path
 - Lots to do in dedicated meeting tomorrow
 - Support note taking shape

ZH->vvbb Support Note

- Editors: Bill Murray, Song-Ming Wang (thanks for agreeing to do this!)
- ATL-COM-PHYS-2012-062
- CDS record: <https://cdsweb.cern.ch/record/1418230>
- SVN area for note:
- https://svnweb.cern.ch/cern/wsvn/atlasgrp/Physics/Higgs/HSG5/data_7TeV/ATL_COM_PHYS_2012_062/?#a4470a5853c554280be1c7676e8f5af2f
- Instructions for SVN are here:
https://twiki.cern.ch/twiki/bin/viewauth/AtlasProtected/Higgsbb#SVN_Areas



Backup slides

Publication Plans

- From PC/subconveners meeting:
 - Latest circulation date to ATLAS is 17th February
 - Higgs approval to be arranged with Ed.Board
- In practice:
 - This means 2nd February Higgs approval for paper – very little margin
 - Plan is more clear for WH and ZH->llbb: need good 1st paper draft
 - Status is not as good for vvbb yet: work towards including in paper
 - Boosted VH in a parallel path for now: considering a note for Moriond
- To gain a few days (if needed):
 - ZH->vvbb will be submitted as support documentation to be included in paper
 - This means that we can turn it into CONF note if not in schedule for paper
 - Now thinking about editors for note
- Maybe wrong time to mention this but...
 - Looking into the future, aim to have combined WH analysis for ICHEP including boosted analysis
 - Or before... mention ICHEP to mean up to...
 - ttH can aim to have published results in same timescale