

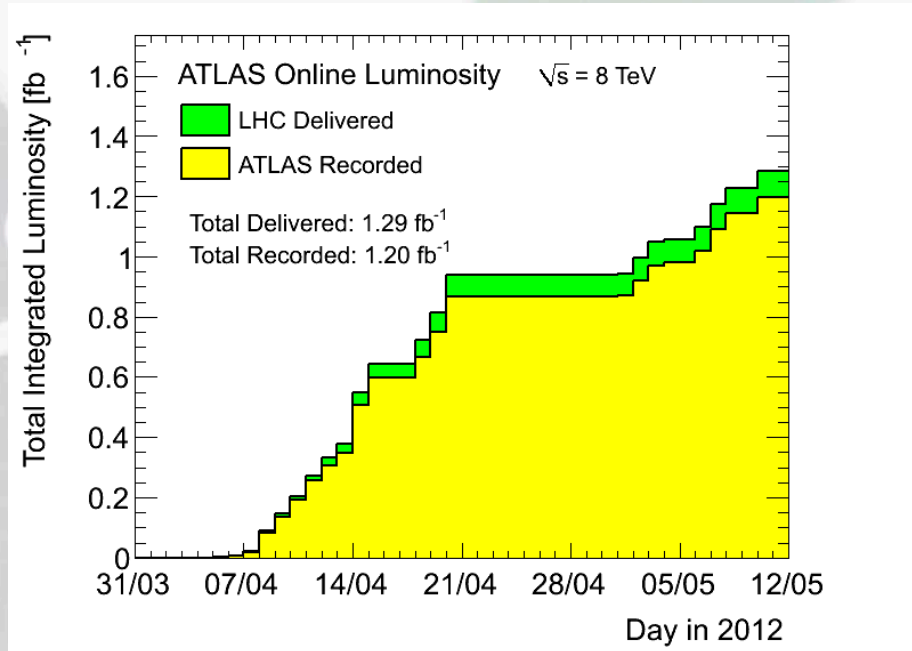
Introduction



Ricardo Gonalo (RHUL)
Higgs Weekly Meeting – 11 May 2012

News! News! News!

- Peak $\langle \text{evts} \rangle / \text{bunch crossing}$: 20 – 26
- Peak stable lumi: $5 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$
- Lumi with stable beams: 1.2fb^{-1}
- $\approx 0.27 \text{fb}^{-1}$ collected last week



News! News! News!

- H->bb paper almost ready for second circulation
- <https://cdsweb.cern.ch/record/1440266>
- Current version in CDS for last comments by EB
- <https://cdsweb.cern.ch/record/1439564?ln=en>
- Due to SVN problems, moved to:
atlasusr/jgoncalo/ATL_COM_PHYS_2011_1648
- Would be good to answer all comments today
- What next:
 - Second circulation
 - 1 week of comments by collaboration and management
 - Second reading
 - Send to journal
 - More comments...
 - Publication!

ATLAS Draft

Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b -quark pair with the ATLAS detector at the LHC

HIGG-2012-08-001

Version: 1.1

To be submitted to: Phys. Lett. B.

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A list of supporting internal notes and their authors can be found at:
<https://twiki.cern.ch/twiki/bin/viewauth/AtlasProtected/Higgsbb>

Supporting internal notes


ATL-COM-PHYS-2011-1648	https://cdsweb.cern.ch/record/1444176/
ATL-COM-PHYS-2012-062	https://cdsweb.cern.ch/record/1418236

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Comments are due by: April 19, 2012

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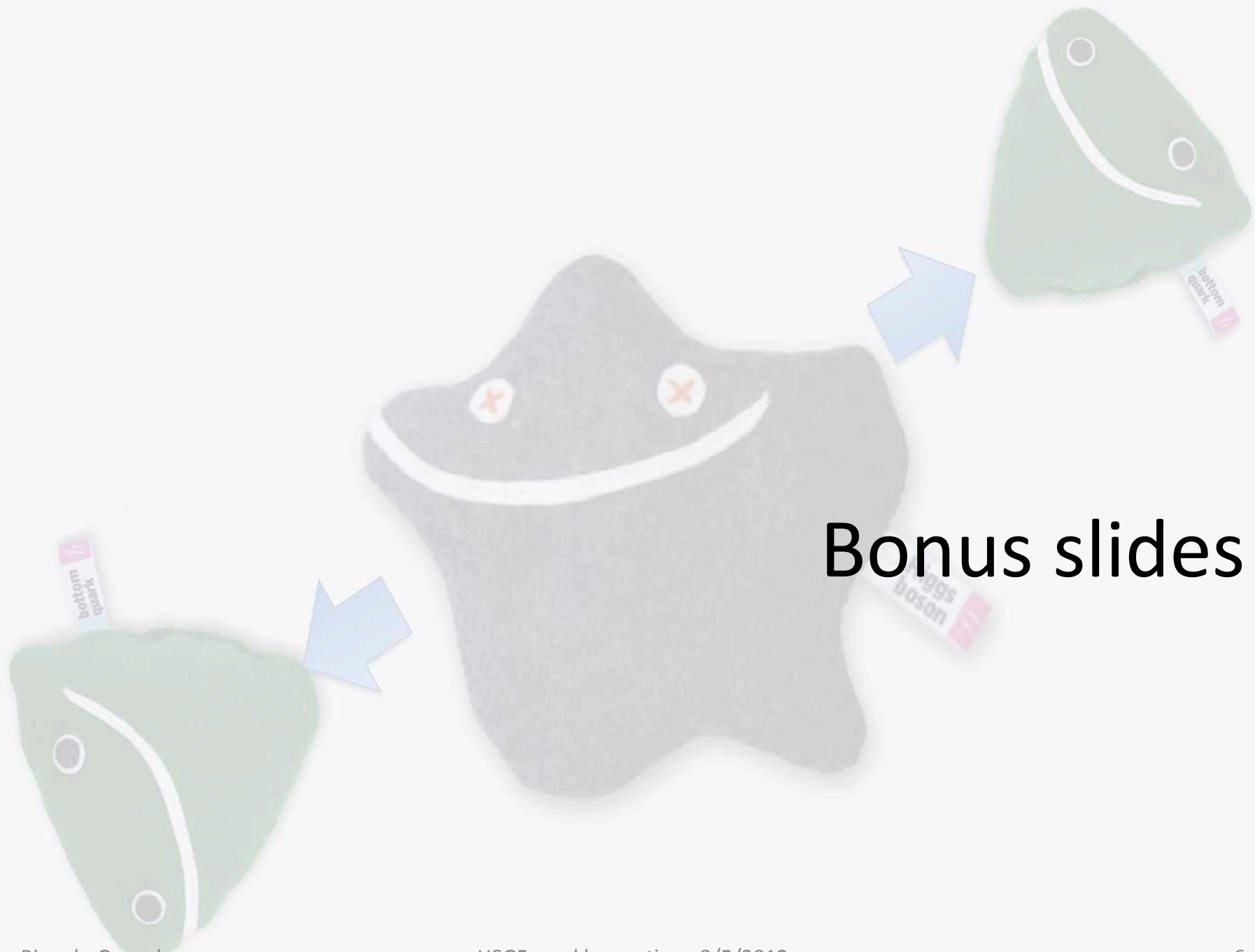


News! News! News!

- HSG5 Contact people with the Jets group of the LHC Higgs XS WG:
 - Paolo Francavilla and David Lopez Mateos
- Identified issues to discuss at meeting on Monday:
 - Uncertainty from jet counting/binning/veto
 - Existing methods by Frank Tackmann and Gavin Salam
 - Impact of PS tune on this uncertainty
 - MC description of low- $\Delta R(jj)$ region
 - Impact of PS on jet substructure
 - See Ben Cooper's slides in today's SM meeting: <https://indico.cern.ch/conferenceDisplay.py?confId=153420>
 - Top+Njets: ttj and ttbb are main ttH backgrounds
 - Interference between Wb and single top
 - Modelling of Higgs hadronic decay
- Giacinto Piacquadio will be involved from the WH/ZH theory side
- Chris Potter contact person for ttH theory contact

Workshop?

- Doodle sent around today
- Mon-Tue or Thu-Fri
- Dates in June – beginning of July at CERN
- Dates in late July in Edinburgh (thanks!)
- <http://doodle.com/bwg3akk5bxehf867>



Bonus slides