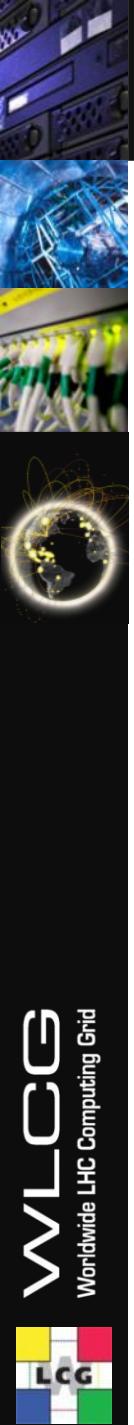


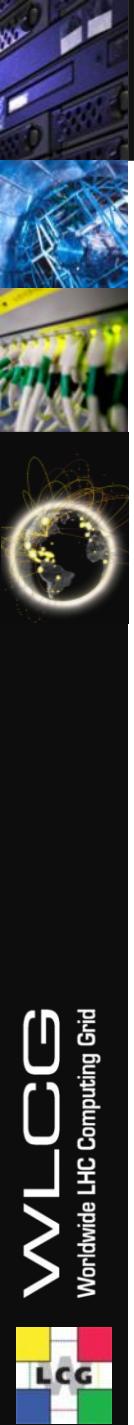
Summary of LHCC meeting

- From LHCC minutes:
 - The LHCC **congratulates** the Worldwide LHC Computing Grid (WLCG) team and the experiments on their continued impressive computing performance. This has allowed an extensive harvest of physics results to be presented in a timely manner, highlighted by the Higgs discovery announcement based on data taken up until only a few weeks earlier.



LHCC – 2

- Referee meeting 25th Sept, closed session 27th
- Chair of C-RSG was present in referee meeting
- Discussion on 2013-15 resource requests
 - For 2012,13,14 there was no real discussion, requests presented were those discussed in the MB
 - 2013 (and 14) will be the subject of the C-RSG report to the RRB at end Oct
 - 2015: Concern over the potential requested step up in resources
 - Although has been pointed out that viewed over the long term the increase is not exceptional (rather 2013-14 are less than usual) – but this is probably not the view of funding agencies





LHCC – summary

- From the minutes of the LHCC session:
 - There is thus a potential danger that LHC physics output could be limited by having insufficient computing resources. On the one hand, the LHCC recognizes that the struggle to maintain healthy computing budgets must continue. The detrimental impact to physics of inadequate computing provision must be stressed at national and international levels. On the other hand, the collaborations should aggressively pursue ways to make more efficient use of new computing technology, such as multicore CPUs and GPUs. Other efforts to speed up existing code should continue. Otherwise it might be necessary to restrain trigger rates or to increase data reconstruction and analysis lead times, in order to work within the resources available.
 - The LHCC requests the collaborations to formulate and present their updated computer models for approval well in advance of the 2015 restart. Demands for significant increases to computing resources, beyond those anticipated by Moore's law, should be matched by realistic compensatory measures. The LHCC and the Computing Resources Scrutiny Group should cooperate in the review, with the former taking main responsibility for the physics case and the latter for the technical and financial aspects.

OB – 28th Sept

- Resource discussion, agreed:
 - These look like fairly significant increases - close to double the 2012 requirements, although taken in the longer term view appear as part of a continual and fairly constant increase in resources.
 - Pointed out that there are significant uncertainties in the parameters that are input to the estimates, in particular the likely performance of the LHC itself in 2015.
 - Suggested that estimates be presented to the RRB in October in the longer term context, with large uncertainties, and that the
 - Main message should be that the present funding for Tier 1 and Tier 2 sites should be continued in order to fully exploit the investment in and performance of the LHC and detectors.
 - It was also noted that the RRB should understand that computing should not be neglected in their funding of the detector upgrades.
 - Also noted that some effort in software is also essential to ensure that available resources are effectively used



OB – new Russian Tier 1

- The proposal for a new Russian Tier 1 centre was presented
 - Russia was accepted as a 2nd new Associate Tier 1 site
- Propose:
 - 2 physical sites:
 - Moscow at Kurchatov Institute for ATLAS, ALICE, and LHCb,
 - Dubna for CMS.
 - Each will provide ~10% of the global Tier 1 needs for each experiment
 - Intend to have these resources in place by Nov 2013, and to run as a full prototype production service for 1 year in 2014, and to be a fully tested Tier 1 site by the end of LS1
- Should now sign MoU

