

# GDB Benchmarking WG

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- Discussion by e-mail to review the status
  - Aim
    - Agree on the HEPIX CPU WG results set to work with
    - Hear suggestions for a SI2K-SPECall\_cpp2006 conversion factor
  - O(30) mails thread: good participation from HEPIX people and CMS. 1 mail from ATLAS, 0 from ALICE or LHCb.
- One phone conference: pretty good attendance (LHCb missing)
  - General agreement in that the SI2K benchmark “breaks” for new processor architectures
    - =>Results (applications and new SPEC) for new architectures (eg Harpertown) are relevant.
  - Discovered that when the experiments did run their codes on the 8 LXBENCH machines in May, they did all (but ATLAS) miss benchmarking lxbench08.cern.ch (Harpertown proc).
  - Explored the feasibility to run now the applications on lxbench08, to complete the dataset on which to base the conversion factor calculation.
    - Current availability of lxbench08.cern.ch for this has been confirmed from CERN.
    - ATLAS: Seems the data is available. Waiting confirmation from A. de Salvo.
    - CMS: Said data could be obtained before the end of the year.
    - ALICE: Said data could be obtained with O(1 day) work.
- Summary
  - Progress slow. Very little participation from experiments (apart from CMS) in the discussions
    - LHCb (Hubert Degaudenzi) completely missing: zero mails, no attendance to phone conf.
  - Nasty surprise uncovered in phone conf: no experiment data for Harpertown LXBENCH
  - Targeting to present a proposal for conversion factor in January
    - Seems that Harpertown results could be available then for all experiments
    - Experiment representatives should be more active on the group. They are key to progress.