

EM CPU Benchmark

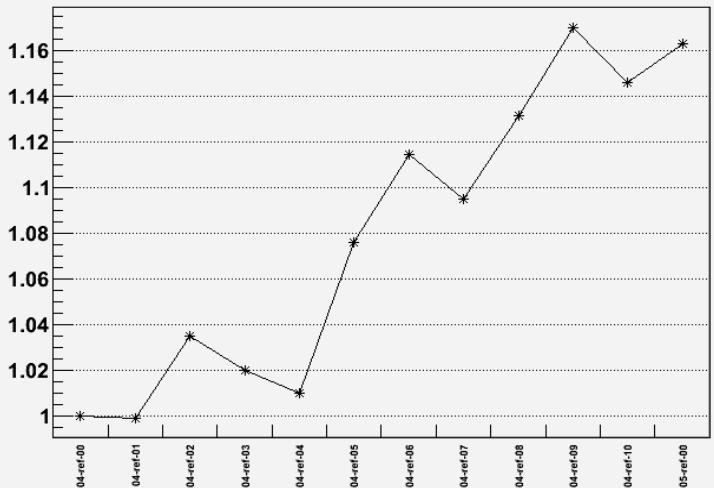
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19 01 2012

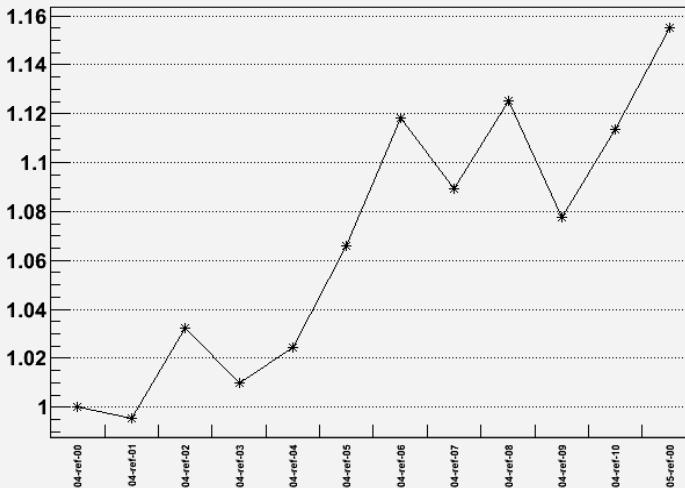
10 GeV e- in matrix 5x5 of PbWO4 crystals (CMS-type) cut = 0.7 mm

standard: emstandard - emv: emstandard_opt1 - emx: emstandard_opt2

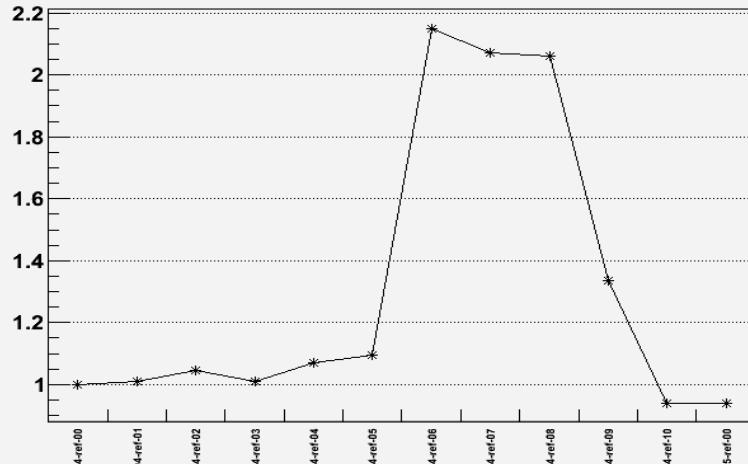
em1_standard: time normalization versus Geant4.9.4-ref00



em1_emv: time normalization versus Geant4.9.4-ref00

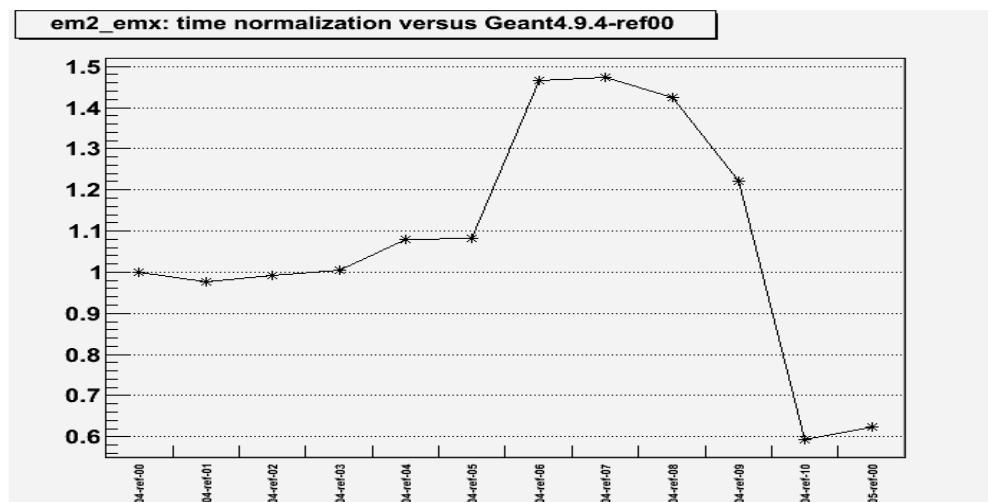
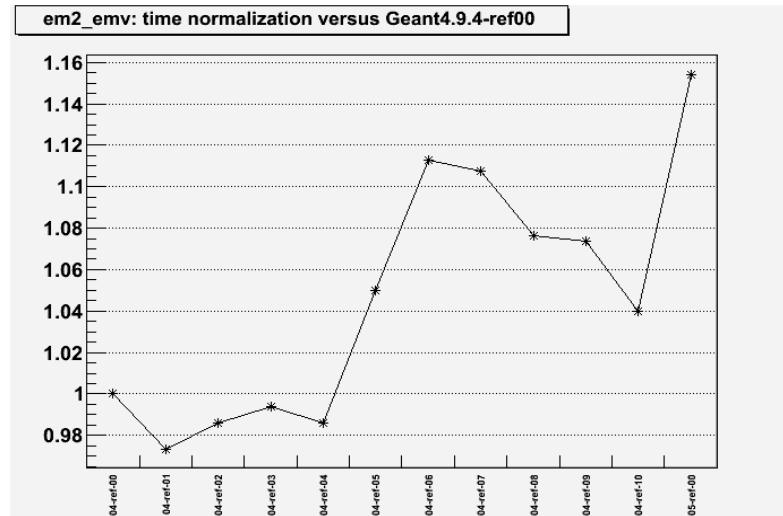
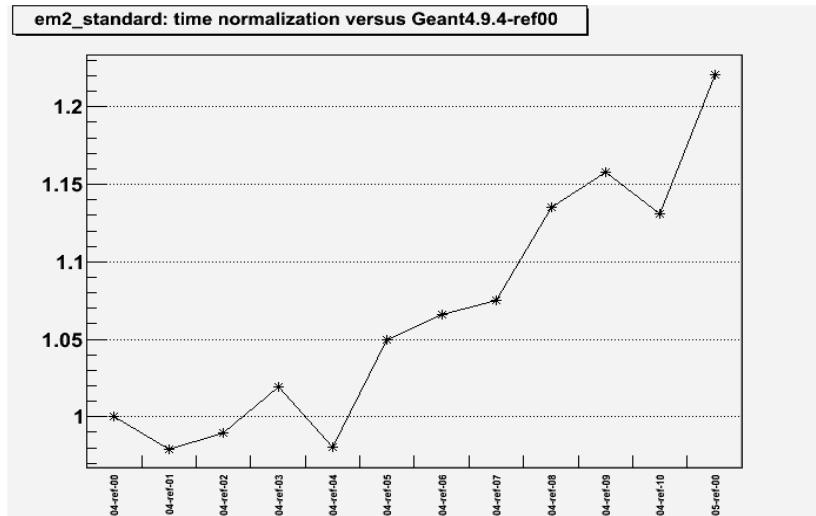


em1_emx: time normalization versus Geant4.9.4-ref00



10 GeV e- in ATLAS barrel type sampling calorimeter cut = 0.7 mm

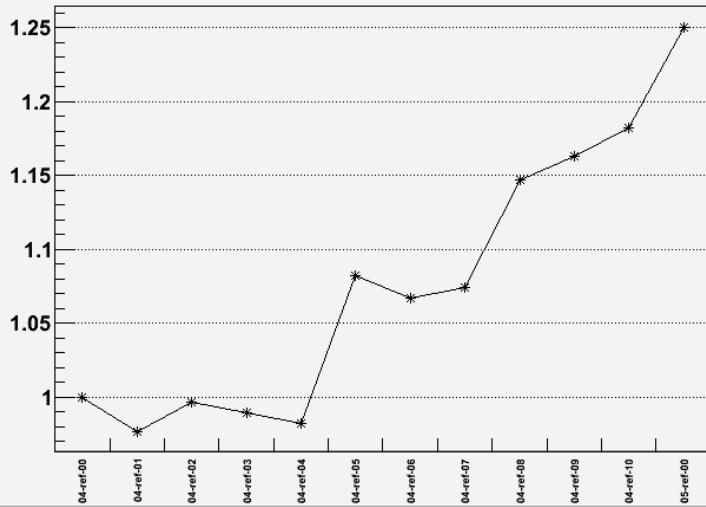
standard: emstandard - emv: emstandard_opt1 - emx: emstandard_opt2



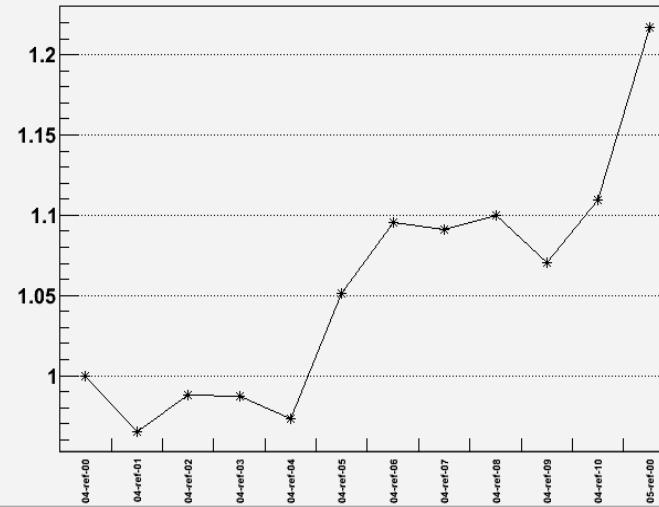
10 GeV e- in ATLAS barrel type sampling calorimeter cut = 0.02 mm

standard: emstandard - emv: emstandard_opt1 - emx: emstandard_opt2

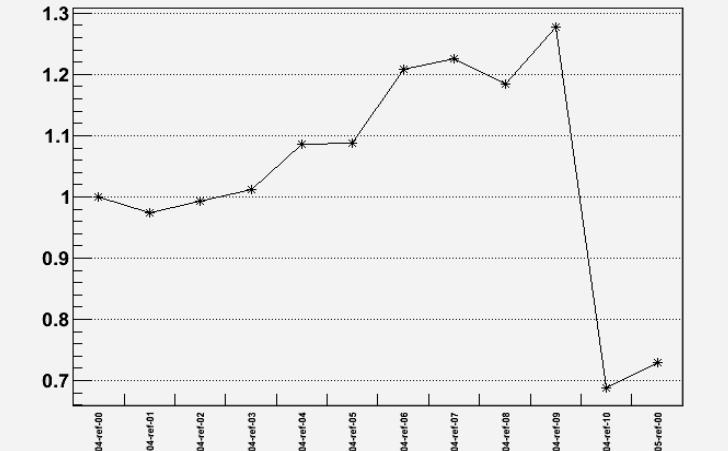
em3_standard: time normalization versus Geant4.9.4-ref00



em3_emv: time normalization versus Geant4.9.4-ref00



em3_emx: time normalization versus Geant4.9.4-ref00



EM CPU Bench automatization

- Add EM CPU Bench to Ctest and CDash Dashboard with Cmake tools
 - Experimental only
 - Manually mode
- Results <http://aidasoft.desy.de/CDash/index.php?project=Geant4>
- Not usable as such, because of using of dynamic libraries, and different system / computers.
- Tested with geant4 ref 09-04-09.
- Need modifications for ref 05-00.