

ALICE update on fast benchmarking

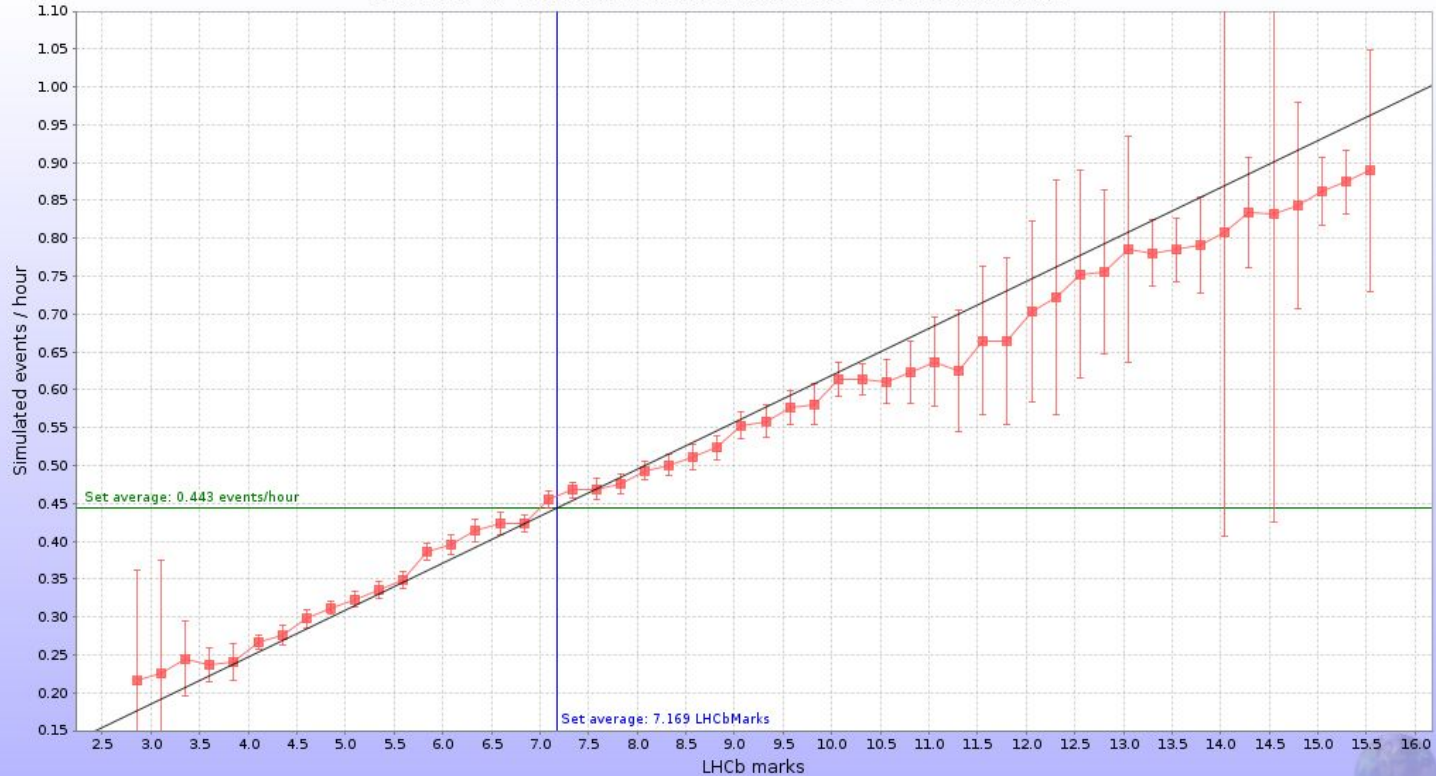
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Best candidate: LHCbMarks

- Very simple script, easy to integrate in pilots
- Excellent scaling with ALICE MC jobs
- Automatic detection of CPU power
 - No need for static information from sites
 - A must for accounting opportunistic resources

LHCbMarks vs event rate

ALICE PbPb event simulation time vs LHCbMarks



■ 13478 host averages, average distance to (0, 0, 20.0, 1.238828) = 0.02754407

Sharing values between VOs

- Common (CVMFS / URL) script location
- Run by the pilots before the payload
- Query a central DB for long-term values

<http://alimonitor.cern.ch/marks/>?

cpumodel=**M** &
hostname=**H** &
[site=**S** &]
[lhcbmarks=**L**]

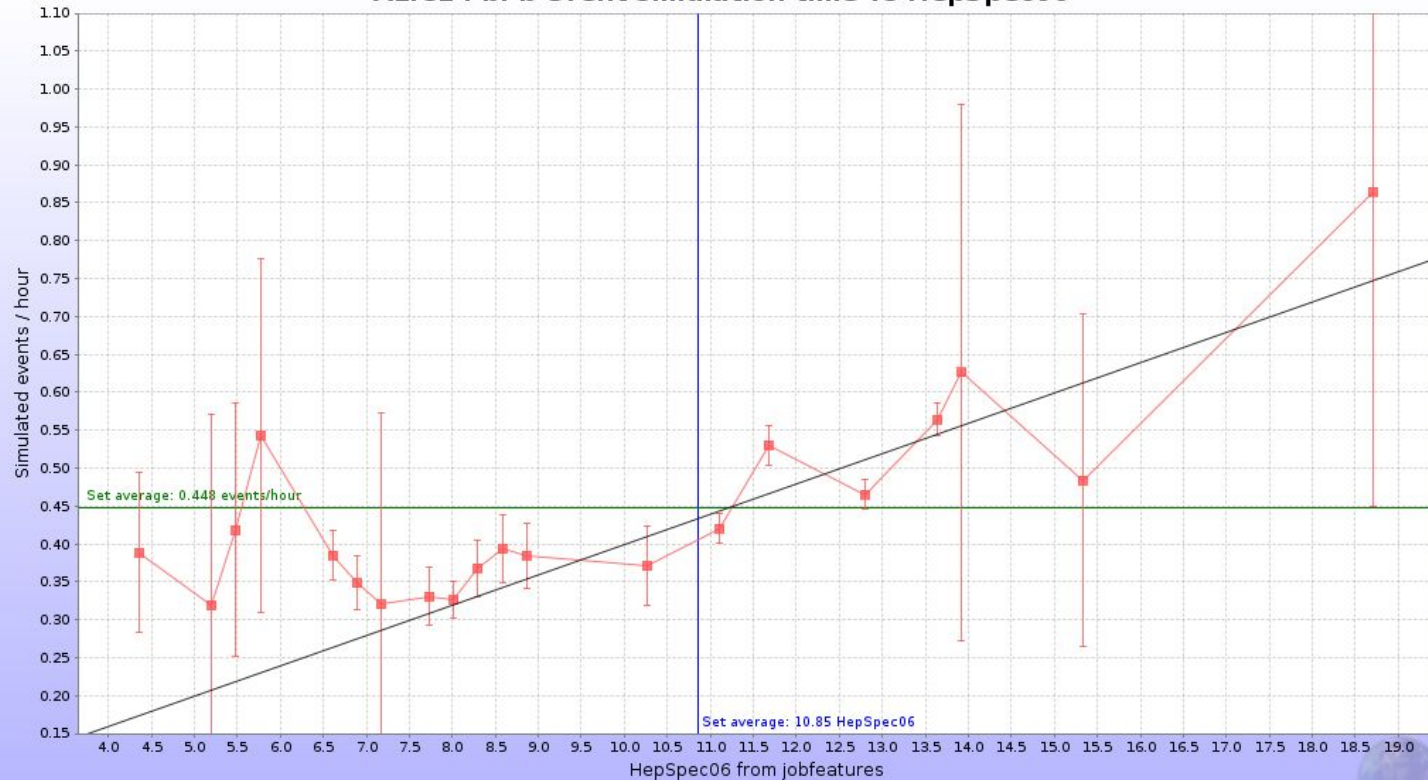
- Get back the average of the last N measurements
 - falls back to same model on the site / Grid /...

Advantages

- Fast adapting to machine configuration changes
 - #of slots, HT on/off, etc
- Account for the real power delivered to the VO
- DB can be used to spot misconfigured hosts
 - Or to avoid running the benchmark again (if enough recent results are available)

HSo6 from MJF

ALICE PbPb event simulation time vs HepSpec06



■ 1322 host averages, average distance to (0, 0, 20.0, 0.798828) = 0.04718660