

# **HS14 Preparation: Current Status**

Manfred Alef (KIT), Michele Michelotto (INFN-PD)



#### **Benchmark candidates:**

- → HS14:
  - Successor of SPEC CPU2006
  - Open source benchmarks like Geant4



#### **Benchmark candidates:**

- → "HS14 light":
  - Quick estimate of performance of assigned job slot
    - WLCG Machine / Job Features Task Force proposes to use \$MACHINEFEATURES/hs06 file
      - No problem on bare metal, but possibly unavailable in virtual environments / clouds
    - Any suggestions?



#### **Selection of assessment tools:**

→ Collection of representative HEP/WLCG applications



#### **Compiler flags:**

- → Current benchmark HS06 is based on mandatory set of compiler flags:
  - -02 -fPIC -pthread -m32
- → Waiting for reply from WLCG Architects Forum for proposal of optimization flags to be used with HS14



#### **Current list of volunteers:**

- Manfred Alef, Michele Michelotto (chairmen)
- VO representatives:
  - Alice: Peter Hristov, Costin Grigoras
  - Atlas: Alessandro Di Salvo, Franco Brasolin
  - CMS: Gabriele Benelli
  - LHCB: Ben Couturier
- Other:
  - Martin Bly
  - Ian Gable
  - Fotis Georgatos
  - Andrew McNab
  - Liviu Valsan
  - Romain Wartel



#### **Contact:**

- → manfred.alef@kit.edu
- → michele.michelotto@pd.infn.it

#### **Mailing list:**

→ hepix-cpu-benchmark@cern.ch