Exercise 1:
Performance Analysis with perf

G. Amadio (CERN)   Thematic CERN School of Computing, Belgrade, Serbia   10 Jun 2024

Performance Analysis with perf

- mkdir /home/<user>

- cp -R /home/tcsc24/exercises/ /home/<user>/

- cd /home/<user>/exercises

- cmake -S . -B build

- cmake --build build --parallel 8

- cd build && ctest

- perf stat -d -M TopdownL1 -- <exercise> (e.g. ctest -R <test_name>)

- perf stat --topdown <exercise>

- perf record -e cycles:p --callgraph=fp <exercise>

- perf report # explore the TUI, annotate the function within the interface

- perf annotate