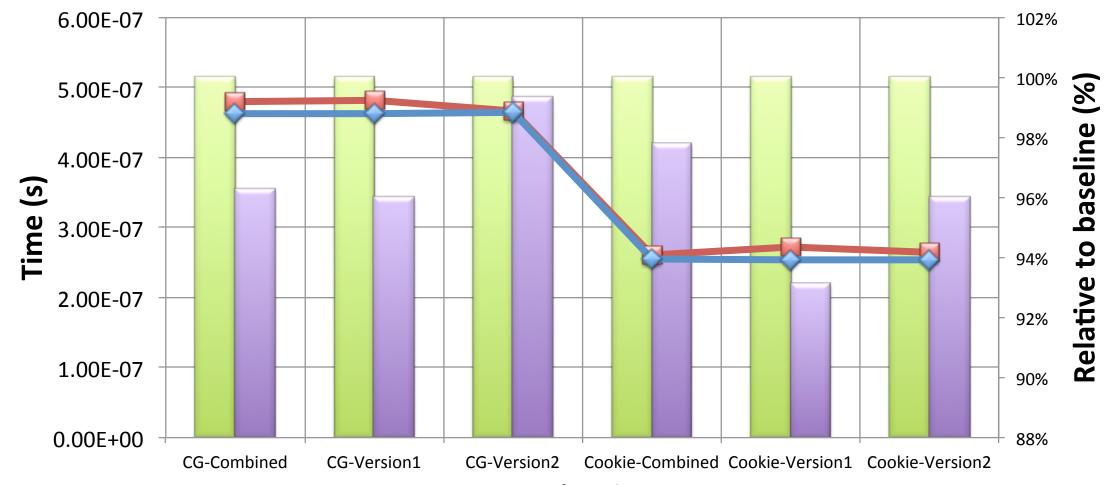
## SIMD-based autotuning of Geant4 kernel ComputeDMicroscopicCrossSection



## **Kernel versions:**

loop body with if-branch(version1), with else-branch(version2), with if-else-branches (combined)

'CG' machine: 2.2GHz AMD Opteron 6274 'Bulldozer'
'Cookie' machine: 2.8GHz Intel Xeon E5462 'Harpertown'

■Baseline (%) ■Tuned (%) ◆Baseline (s) ◆Tuned (s)