Some differences

```
16:20:55 AthenaPoolCnvSvc     INFO PerfStats -------------------------------------------
16:20:55 AthenaPoolCnvSvc     INFO PerfStats Timing Measurements for AthenaPoolCnvSvc
16:20:55 AthenaPoolCnvSvc     INFO PerfStats -------------------------------------------
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | fRep_ALL        |           94 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | commitOutput    |           80 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | cObjR_ALL       |         2311 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | cRep_ALL        |          118 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | cObj_ALL        |         2839 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats | cRepR_ALL       |           39 ms |
16:20:55 AthenaPoolCnvSvc     INFO PerfStats -------------------------------------------
```

```
16:20:55 IdDetDetDescrCnv     INFO in finalize
16:20:55 ****Chrono****       INFO ***********************************************************************
16:20:55 ****Chrono****       INFO  The Final CPU consumption ( Chrono ) Table (ordered)
16:20:55 ****Chrono****       INFO ***********************************************************************
16:20:55 InDetCommonKern...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 DFCommonMuonsKe...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 BadBatmanAugmen...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 JetCommon_TauAu...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 DistanceInTrain...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 InDetCommonKern...    INFO Time User   : Tot=    0 [us] Ave/Min/Max=    0(+-     0)/     0/     0 [us] #= 10
16:20:55 TauJets_MuonRM_...    INFO Time User   : Tot=   10 [ms] Ave/Min/Max=    1(+-     3)/     0/    10 [ms] #= 10
16:20:55 DFCommonMuonsKe...    INFO Time User   : Tot=   10 [ms] Ave/Min/Max=    1(+-     3)/     0/    10 [ms] #= 10
16:20:55 TauJets_TauIDDe...    INFO Time User   : Tot=   50 [ms] Ave/Min/Max=    5(+-    12)/     0/    40 [ms] #= 10
16:20:55 DFCommonHSDecor...    INFO Time User   : Tot=   50 [ms] Ave/Min/Max=    5(+-    15)/     0/    50 [ms] #= 10
16:20:55 InDetCommonKern...    INFO Time User   : Tot=   70 [ms] Ave/Min/Max=    7(+-     9)/     0/    30 [ms] #= 10
16:20:55 EGammaCommonKernel    INFO Time User   : Tot=   80 [ms] Ave/Min/Max=    8(+-  14.7)/     0/    50 [ms] #= 10
16:20:55 PHYSKernel            INFO Time User   : Tot= 1.22  [s] Ave/Min/Max= 0.122(+- 0.359)/     0/   1.2  [s] #= 10
16:20:55 ChronoStatSvc        INFO Time User   : Tot= 27.7  [s]  #=  1
16:20:55 ****Chrono****       INFO ***********************************************************************
16:20:55 ChronoStatSvc.f...    INFO  Service finalized successfully
16:20:55 FPEAuditor           INFO FPE summary for this job
16:20:55 FPEAuditor           INFO  FPE OVERFLOWs  : 0
16:20:55 FPEAuditor           INFO  FPE INVALIDs   : 0
16:20:55 FPEAuditor           INFO  FPE DIVBYZEROs : 0
16:20:56 PerfMonMTSvc         INFO ------------------------------------------------------------
```

```
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO                               PerfMonMTSvc Report
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO IMPORTANT : PLEASE NOTE THAT THIS SERVICE IS CURRENTLY IN R&D PHASE.
16:20:56 PerfMonMTSvc        INFO             FOR FURTHER INFORMATION/QUERIES PLEASE GET IN TOUCH WITH THE SPOT TEAM.
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO *** Full set of information can also be found in: perfmonmt_Derivation.json
16:20:56 PerfMonMTSvc        INFO *** In order to make plots using the results run the following commands:
16:20:56 PerfMonMTSvc        INFO *** $ perfmonmt-plotter.py -i perfmonmt_Derivation.json
16:20:56 PerfMonMTSvc        INFO *** In order to print tables using the results run the following commands:
16:20:56 PerfMonMTSvc        INFO *** $ perfmonmt-printer.py -i perfmonmt_Derivation.json
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO                               Event Level Monitoring
16:20:56 PerfMonMTSvc        INFO            (Only the first 10 and the last measurements are explicitly printed)
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO Event          CPU [s]      Wall [s]     Vmem [kB]    Rss [kB]    Pss [kB]    Swap [kB]
16:20:56 PerfMonMTSvc        INFO ----------------------------------------------------------------------------
16:20:56 PerfMonMTSvc        INFO 1              45.90        54.21        3008220      2100764     2097563     0
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO                               Snapshots Summary
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO Step         dCPU [s]     dWall [s]    <CPU>    dVmem [kB]  dRss [kB]   dPss [kB]   dSwap [kB]
16:20:56 PerfMonMTSvc        INFO ----------------------------------------------------------------------------
16:20:56 PerfMonMTSvc        INFO Configure    27.18        30.196       0.90     1586532     1182532     1179475     0
16:20:56 PerfMonMTSvc        INFO Initialize   17.54        20.591       0.85     1249472     838932      838789      0
16:20:56 PerfMonMTSvc        INFO FirstEvent   11.65        14.338       0.81     1070300     946152      946147      0
16:20:56 PerfMonMTSvc        INFO Execute      4.26         4.268        1.00     776         26268       26268       0
16:20:56 PerfMonMTSvc        INFO Finalize     0.41         0.417        0.98     0           308         308         0
16:20:56 PerfMonMTSvc        INFO ****************************************************************************
16:20:56 PerfMonMTSvc        INFO Number of events processed:    10
16:20:56 PerfMonMTSvc        INFO CPU usage per event [ms]:      1591
16:20:56 PerfMonMTSvc        INFO Events per second:             0.537
16:20:56 PerfMonMTSvc        INFO CPU utilization efficiency [%]:    87
16:20:56 PerfMonMTSvc        INFO ****************************************************************************
16:20:56 PerfMonMTSvc        INFO Max Vmem:                      2.87 GB
16:20:56 PerfMonMTSvc        INFO Max Rss:                       2.00 GB
16:20:56 PerfMonMTSvc        INFO Max Pss:                       2.00 GB
16:20:56 PerfMonMTSvc        INFO Max Swap:                      0.00 KB
16:20:56 PerfMonMTSvc        INFO ****************************************************************************
16:20:56 PerfMonMTSvc        INFO Leak estimate per event Vmem:  0.00 KB
16:20:56 PerfMonMTSvc        INFO Leak estimate per event Pss:   0.00 KB
16:20:56 PerfMonMTSvc        INFO   >> Estimated using the last 0 measurements from the Event Level Monitoring
16:20:56 PerfMonMTSvc        INFO   >> Events prior to the first 25 are omitted...
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO                               System Information
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO CPU Model:                     AMD EPYC 7302 16-Core Processor 512 KB
16:20:56 PerfMonMTSvc        INFO Number of Available Cores:     64
16:20:56 PerfMonMTSvc        INFO Total Memory:                  251.67 GB
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO                               Environment Information
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 PerfMonMTSvc        INFO Malloc Library:                libtcmalloc_minimal.so
16:20:56 PerfMonMTSvc        INFO Math Library:                  libimf.so
16:20:56 PerfMonMTSvc        INFO ============================================================================
16:20:56 ApplicationMgr       INFO Application Manager Finalized successfully
16:20:56 ApplicationMgr       INFO Application Manager Terminated successfully
16:20:58 leaving with code 0: "successful run"
```

After modification

```
23:16:37 AthDictLoaderSvc      INFO in finalize...
23:16:37 AthenaPoolCnvSvc       INFO PerfStats ----------------------------------------
23:16:37 AthenaPoolCnvSvc       INFO PerfStats Timing Measurements for AthenaPoolCnvSvc
23:16:37 AthenaPoolCnvSvc       INFO PerfStats ----------------------------------------
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | fRep_ALL        |            123 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | commitOutput    |             81 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | cObjR_ALL       |           2129 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | cRep_ALL        |             83 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | cObj_ALL        |           2511 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats | cRepR_ALL       |             40 ms |
23:16:37 AthenaPoolCnvSvc       INFO PerfStats ----------------------------------------
```

```
23:16:37 *****Chrono*****      INFO *********************************************************************************
23:16:37 *****Chrono*****      INFO  The Final CPU consumption ( Chrono ) Table (ordered)
23:16:37 *****Chrono*****      INFO *********************************************************************************
23:16:37 InDetCommonKern...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 DFCommonMuonsKe...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 JetCommon_TauAu...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 BadBatmanAugmen...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 DistanceInTrain...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 InDetCommonKern...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 TauJets_MuonRM_...    INFO Time User    : Tot=      0 [us] Ave/Min/Max=        0(+-         0)/       0/        0 [us] #= 10
23:16:37 DFCommonMuonsKe...    INFO Time User    : Tot=     20 [ms] Ave/Min/Max=        2(+-         6)/       0/       20 [ms] #= 10
23:16:37 TauJets_TauIDDe...    INFO Time User    : Tot=     40 [ms] Ave/Min/Max=        4(+-      9.17)/       0/       30 [ms] #= 10
23:16:37 DFCommonHSDecor...    INFO Time User    : Tot=     50 [ms] Ave/Min/Max=        5(+-        15)/       0/       50 [ms] #= 10
23:16:37 InDetCommonKern...    INFO Time User    : Tot=     70 [ms] Ave/Min/Max=        7(+-       6.4)/       0/       20 [ms] #= 10
23:16:37 EGammaCommonKernel    INFO Time User    : Tot=    100 [ms] Ave/Min/Max=       10(+-      17.3)/       0/       60 [ms] #= 10
23:16:37 PHYSKernel           INFO Time User    : Tot= 1.26  [s] Ave/Min/Max=    0.126(+-     0.378)/       0/     1.26  [s] #= 10
23:16:37 ChronoStatSvc        INFO Time User    : Tot= 28.4  [s]  #=  1
23:16:37 *****Chrono*****      INFO *********************************************************************************
23:16:37 ChronoStatSvc.f...    INFO  Service finalized successfully
23:16:37 FPEAuditor           INFO FPE summary for this job
23:16:37 FPEAuditor           INFO  FPE OVERFLOWs  : 0
23:16:37 FPEAuditor           INFO  FPE INVALIDs   : 0
23:16:37 FPEAuditor           INFO  FPE DIVBYZEROs : 0
```

```
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO                          PerfMonMTSvc Report
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO IMPORTANT : PLEASE NOTE THAT THIS SERVICE IS CURRENTLY IN R&D PHASE.
23:16:37 PerfMonMTSvc         INFO             FOR FURTHER INFORMATION/QUERIES PLEASE GET IN TOUCH WITH THE SPOT TEAM.
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO *** Full set of information can also be found in: perfmonmt_Derivation.json
23:16:37 PerfMonMTSvc         INFO *** In order to make plots using the results run the following commands:
23:16:37 PerfMonMTSvc         INFO *** $ perfmonmt-plotter.py -i perfmonmt_Derivation.json
23:16:37 PerfMonMTSvc         INFO *** In order to print tables using the results run the following commands:
23:16:37 PerfMonMTSvc         INFO *** $ perfmonmt-printer.py -i perfmonmt_Derivation.json
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO                        Event Level Monitoring
23:16:37 PerfMonMTSvc         INFO        (Only the first 10 and the last measurements are explicitly printed)
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO Event         CPU [s]      Wall [s]      Vmem [kB]    Rss [kB]    Pss [kB]    Swap [kB]
23:16:37 PerfMonMTSvc         INFO -----------------------------------------------------------------------------
23:16:37 PerfMonMTSvc         INFO 1            46.01         52.57       3007960      2089992     2086813     0
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO                          Snapshots Summary
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO Step          dCPU [s]    dWall [s]    <CPU>   dVmem [kB] dRss [kB]   dPss [kB]  dSwap [kB]
23:16:37 PerfMonMTSvc         INFO -----------------------------------------------------------------------------
23:16:37 PerfMonMTSvc         INFO Configure     27.39       30.399       0.90    1587652    1183484     1180449    0
23:16:37 PerfMonMTSvc         INFO Initialize    17.44       18.766       0.93    1252108    831168      831024     0
23:16:37 PerfMonMTSvc         INFO FirstEvent    11.84       14.534       0.81    1061492    936872      936872     0
23:16:37 PerfMonMTSvc         INFO Execute       4.29        4.293        1.00    784        25244       25244      0
23:16:37 PerfMonMTSvc         INFO Finalize      0.39        0.394        0.99    0          1720        1720       0
23:16:37 PerfMonMTSvc         INFO *****************************************************************************
23:16:37 PerfMonMTSvc         INFO Number of events processed:       10
23:16:37 PerfMonMTSvc         INFO CPU usage per event [ms]:         1613
23:16:37 PerfMonMTSvc         INFO Events per second:                0.531
23:16:37 PerfMonMTSvc         INFO CPU utilization efficiency [%]:   89
23:16:37 PerfMonMTSvc         INFO *****************************************************************************
23:16:37 PerfMonMTSvc         INFO Max Vmem:                         2.87 GB
23:16:37 PerfMonMTSvc         INFO Max Rss:                          1.99 GB
23:16:37 PerfMonMTSvc         INFO Max Pss:                          1.99 GB
23:16:37 PerfMonMTSvc         INFO Max Swap:                         0.00 KB
23:16:37 PerfMonMTSvc         INFO *****************************************************************************
23:16:37 PerfMonMTSvc         INFO Leak estimate per event Vmem:     0.00 KB
23:16:37 PerfMonMTSvc         INFO Leak estimate per event Pss:      0.00 KB
23:16:37 PerfMonMTSvc         INFO    >> Estimated using the last 0 measurements from the Event Level Monitoring
23:16:37 PerfMonMTSvc         INFO    >> Events prior to the first 25 are omitted...
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO                          System Information
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO CPU Model:                       AMD EPYC 7302 16-Core Processor 512 KB
23:16:37 PerfMonMTSvc         INFO Number of Available Cores:       64
23:16:37 PerfMonMTSvc         INFO Total Memory:                    251.67 GB
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO                        Environment Information
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 PerfMonMTSvc         INFO Malloc Library:                  libtcmalloc_minimal.so
23:16:37 PerfMonMTSvc         INFO Math Library:                    libimf.so
23:16:37 PerfMonMTSvc         INFO =============================================================================
23:16:37 ApplicationMgr       INFO Application Manager Finalized successfully
23:16:37 ApplicationMgr       INFO Application Manager Terminated successfully
23:16:39 leaving with code 0: "successful run"
```