```
--------------------------------------------------------------------------
      omnetpp-mem64_L1d-small     Simulation Results
--------------------------------------------------------------------------

Number of reference types:
  Number of reads   =  2009285423  [20.09%]
  Number of writes  =  1237898222  [12.38%]
  Number of inst    =  6752816355  [67.53%]
  Total             =  10000000000

Total cycles for all activities:
  Cycles for reads  =  34812510362  [45.00%]
  Cycles for writes =  8078903953  [10.44%]
  Cycles for inst   =  34468668559  [44.56%]
  Total time        =  77360082874

Average cycles per activity:
  Read  = 17.33
  Write = 6.53
  Inst  = 11.46
Ideal: Exec. Time = 16752816355; CPI = 2.48
Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94
  Ideal execution time   =  16752816355  [CPI 2.48]
  Ideal misaligned time  =  24142954060  [CPI 3.58]

Memory level: L1i
  Hits   =  11006133158  [96.03%]
  Misses =   455112931  [3.97%]
  Total  =  11461246089
  Kickouts = 455112675, Dirty kickouts = 0, Transfers = 455112931

Memory level: L1d
  Hits   =  5423480899  [91.48%]
  Misses =   505410717  [8.52%]
  Total  =  5928891616
  Kickouts = 505410589, Dirty kickouts = 217210609, Transfers = 505410717

Memory level: L2
  Hits   =   814325803  [69.14%]
  Misses =   363408454  [30.86%]
  Total  =  1177734257
  Kickouts = 363407942, Dirty kickouts = 87599940, Transfers = 363408454

Cost analysis:
  L1i cache cost = $200
  L1d cache cost = $100
  L2  cache cost = $50
  Memory cost    = $275
  Total cost     = $625
```