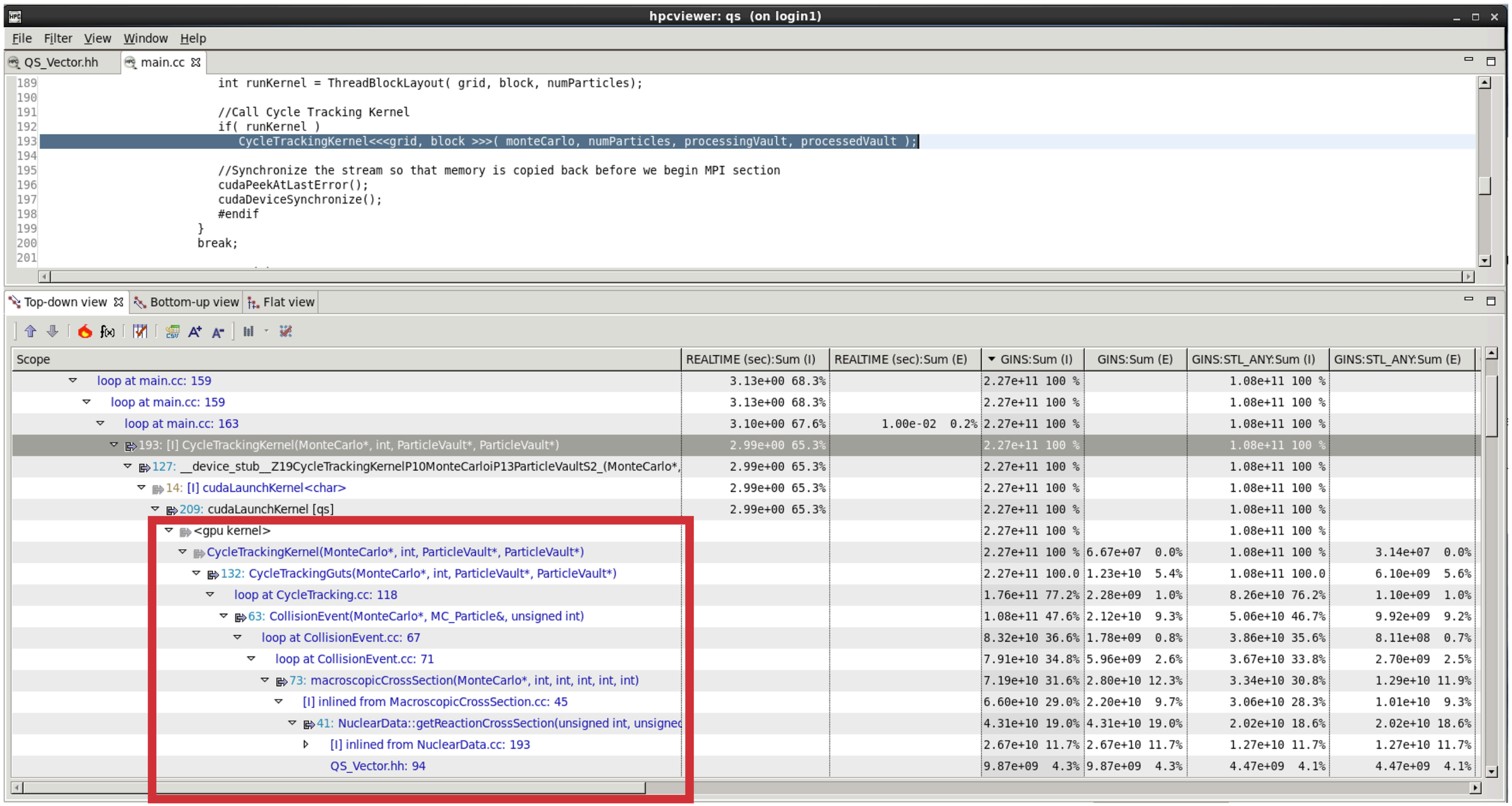
hpcviewer: qs (on login1)
File Filter View Window Help
QS_Vector.hh
main.cc
189 int runKernel = ThreadBlockLayout(grid, block, numParticles);
190
191 //Call Cycle Tracking Kernel
192 if(runKernel)
193 CycleTrackingKernel<<<grid, block >>>(monteCarlo, numParticles, processingVault, processedVault);
194
195 //Synchronize the stream so that memory is copied back before we begin MPI section
196 cudaPeekAtLastError();
197 cudaDeviceSynchronize();
198 #endif
199 }
200 break;
201
Top-down view
Bottom-up view
Flat view
Scope
REALTIME (sec):Sum (I)
REALTIME (sec):Sum (E)
GINS:Sum (I)
GINS:Sum (E)
GINS:STL_ANY:Sum (I)
GINS:STL_ANY:Sum (E)
loop at main.cc: 159 3.13e+00 68.3% 2.27e+11 100 % 1.08e+11 100 %
loop at main.cc: 159 3.13e+00 68.3% 2.27e+11 100 % 1.08e+11 100 %
loop at main.cc: 163 3.10e+00 67.6% 1.00e-02 0.2% 2.27e+11 100 % 1.08e+11 100 %
193: [I] CycleTrackingKernel(MonteCarlo*, int, ParticleVault*, ParticleVault*) 2.99e+00 65.3% 2.27e+11 100 % 1.08e+11 100 %
127: __device_stub__Z19CycleTrackingKernelP10MonteCarloiP13ParticleVaultS2_(MonteCarlo* 2.99e+00 65.3% 2.27e+11 100 % 1.08e+11 100 %
14: [I] cudaLaunchKernel<char> 2.99e+00 65.3% 2.27e+11 100 % 1.08e+11 100 %
209: cudaLaunchKernel [qs] 2.99e+00 65.3% 2.27e+11 100 % 1.08e+11 100 %
<gpu kernel> 2.27e+11 100 % 1.08e+11 100 %
CycleTrackingKernel(MonteCarlo*, int, ParticleVault*, ParticleVault*) 2.27e+11 100 % 6.67e+07 0.0% 1.08e+11 100 % 3.14e+07 0.0%
132: CycleTrackingGuts(MonteCarlo*, int, ParticleVault*, ParticleVault*) 2.27e+11 100.0 1.23e+10 5.4% 1.08e+11 100.0 6.10e+09 5.6%
loop at CycleTracking.cc: 118 1.76e+11 77.2% 2.28e+09 1.0% 8.26e+10 76.2% 1.10e+09 1.0%
63: CollisionEvent(MonteCarlo*, MC_Particle&, unsigned int) 1.08e+11 47.6% 2.12e+10 9.3% 5.06e+10 46.7% 9.92e+09 9.2%
loop at CollisionEvent.cc: 67 8.32e+10 36.6% 1.78e+09 0.8% 3.86e+10 35.6% 8.11e+08 0.7%
loop at CollisionEvent.cc: 71 7.91e+10 34.8% 5.96e+09 2.6% 3.67e+10 33.8% 2.70e+09 2.5%
73: macroscopicCrossSection(MonteCarlo*, int, int, int, int, int) 7.19e+10 31.6% 2.80e+10 12.3% 3.34e+10 30.8% 1.29e+10 11.9%
[I] inlined from MacroscopicCrossSection.cc: 45 6.60e+10 29.0% 2.20e+10 9.7% 3.06e+10 28.3% 1.01e+10 9.3%
41: NuclearData::getReactionCrossSection(unsigned int, unsigne 4.31e+10 19.0% 4.31e+10 19.0% 2.02e+10 18.6% 2.02e+10 18.6%
[I] inlined from NuclearData.cc: 193 2.67e+10 11.7% 2.67e+10 11.7% 1.27e+10 11.7% 1.27e+10 11.7%
QS_Vector.hh: 94 9.87e+09 4.3% 9.87e+09 4.3% 4.47e+09 4.1% 4.47e+09 4.1%