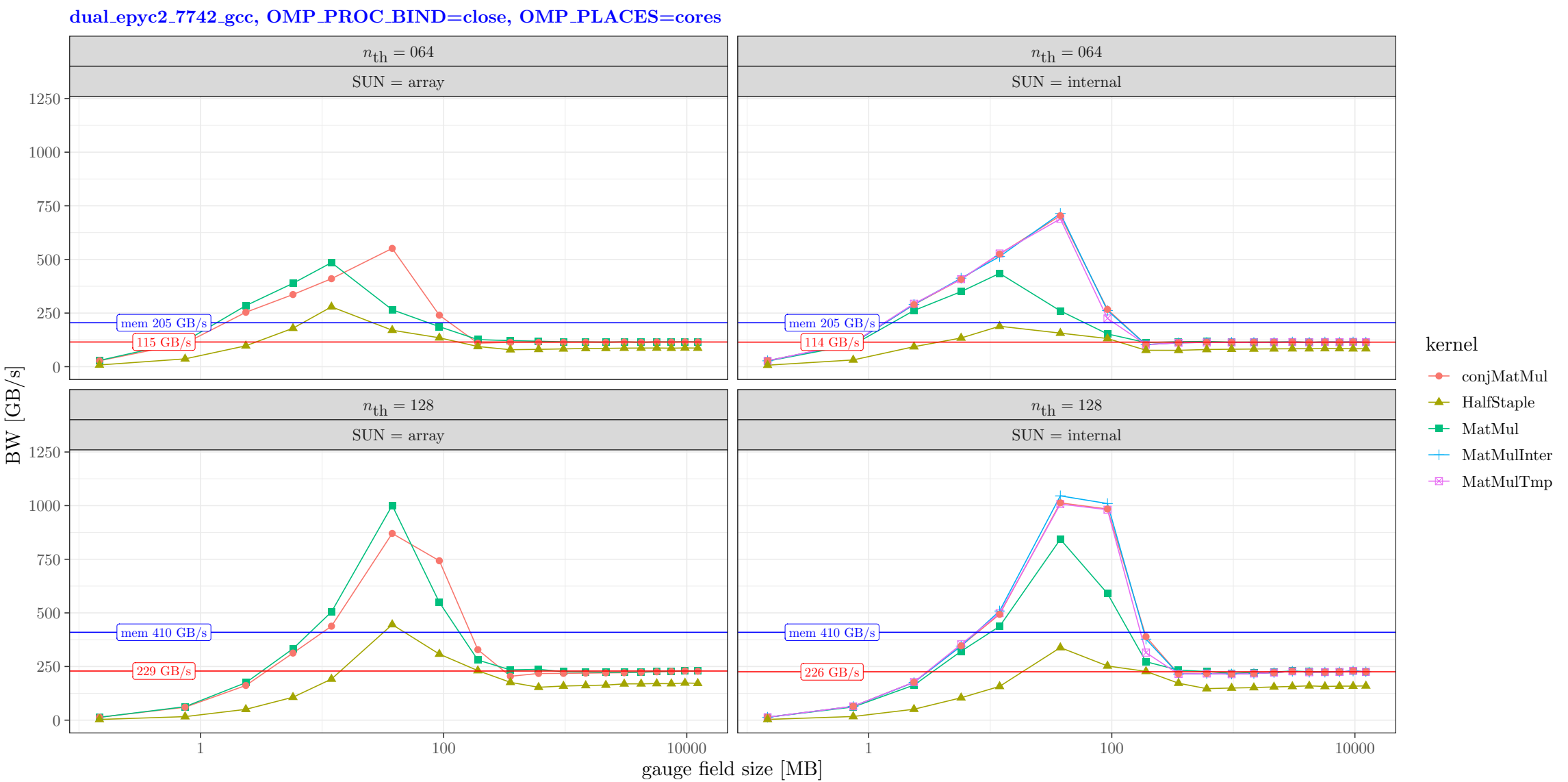
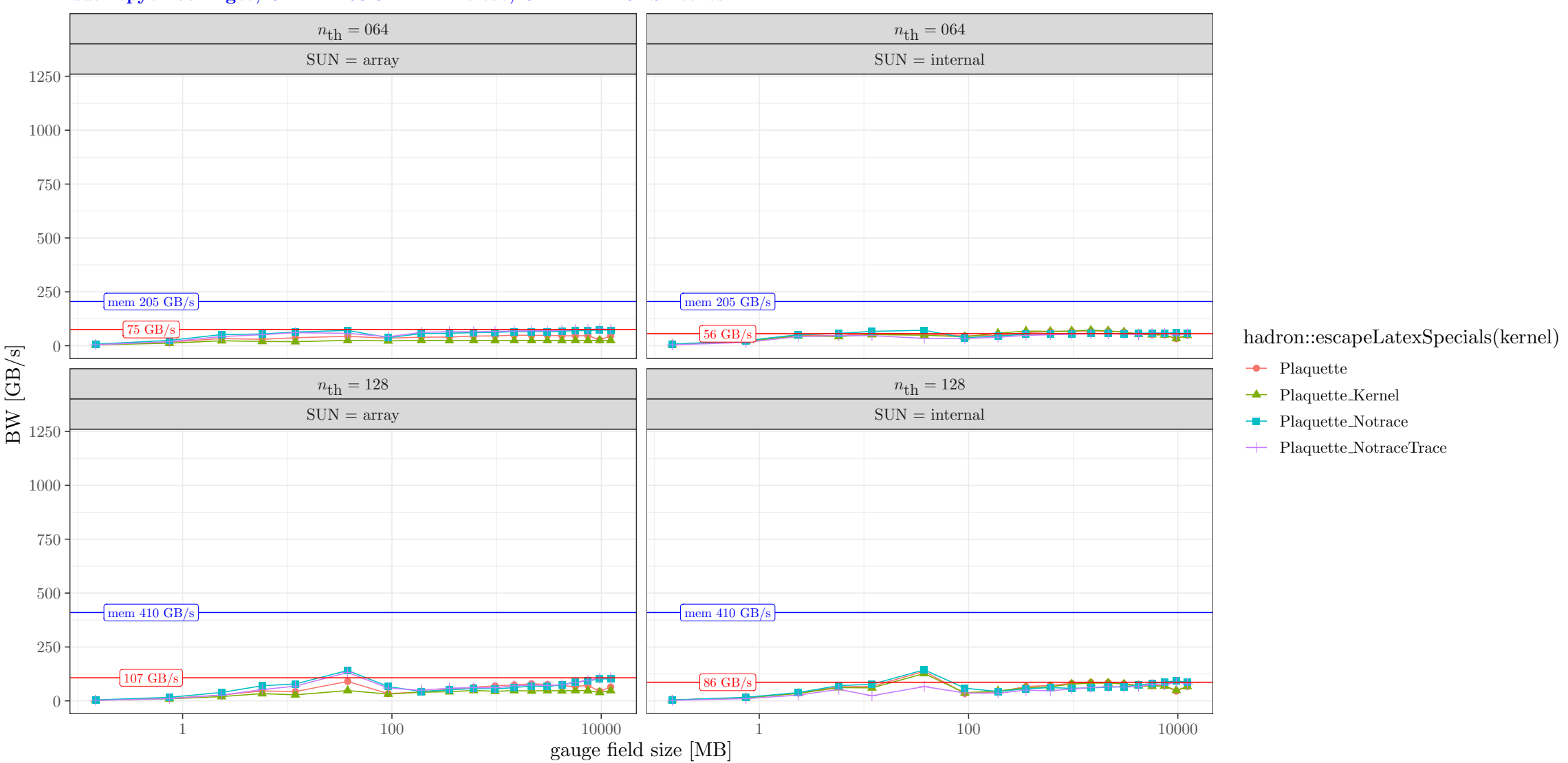
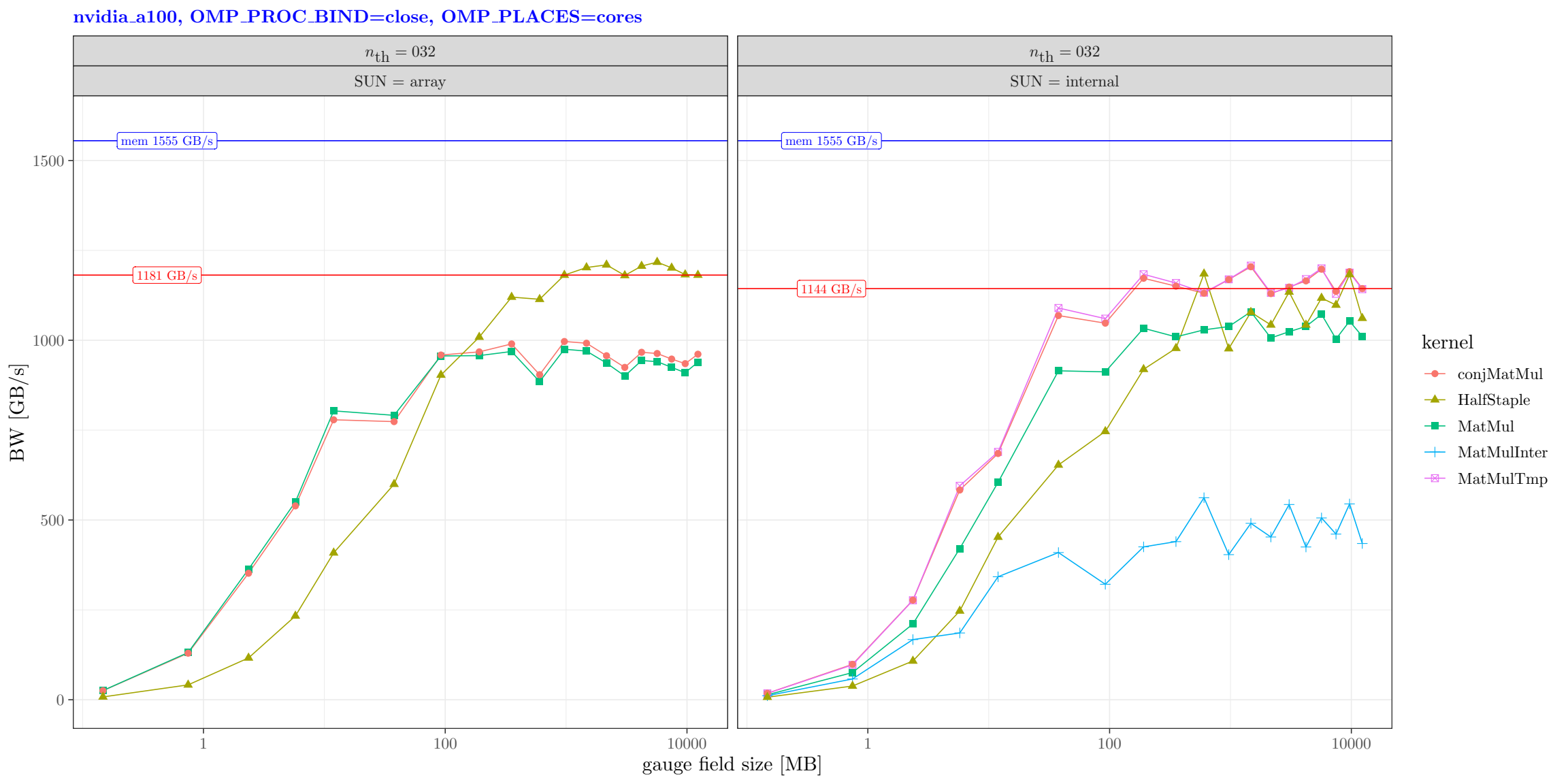
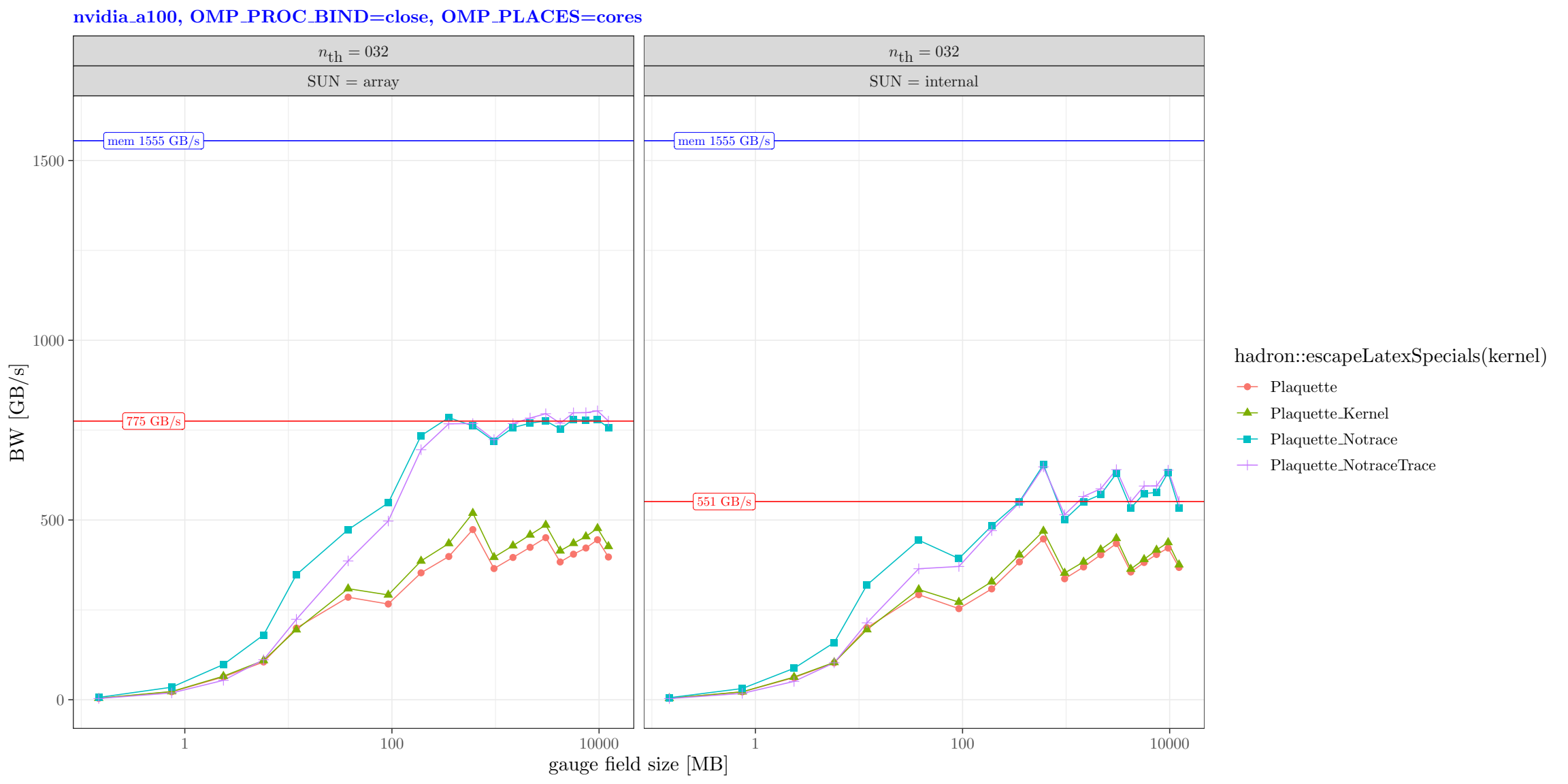

dual_epyc2_7742_gcc, OMP_PROC_BIND=close, OMP_PLACES=cores
n_{th} = 064
SUN = array
n_{th} = 064
SUN = internal
n_{th} = 128
SUN = array
n_{th} = 128
SUN = internal
mem 205 GB/s
115 GB/s
mem 205 GB/s
114 GB/s
mem 410 GB/s
229 GB/s
mem 410 GB/s
226 GB/s
BW [GB/s]
gauge field size [MB]
kernel
conjMatMul
HalfStaple
MatMul
MatMulInter
MatMulTmp


dual_epyc2_7742_gcc, OMP_PROC_BIND=close, OMP_PLACES=cores
n_{th} = 064
SUN = array
n_{th} = 064
SUN = internal
n_{th} = 128
SUN = array
n_{th} = 128
SUN = internal
mem 205 GB/s
75 GB/s
56 GB/s
mem 410 GB/s
107 GB/s
86 GB/s
BW [GB/s]
gauge field size [MB]
hadron::escapeLatexSpecials(kernel)
Plaquette
Plaquette_Kernel
Plaquette_Notrace
Plaquette_NotraceTrace


nvidia_a100, OMP_PROC_BIND=close, OMP_PLACES=cores
n_{th} = 032
SUN = array
n_{th} = 032
SUN = internal
mem 1555 GB/s
1181 GB/s
1144 GB/s
BW [GB/s]
0
500
1000
1500
1
100
10000
gauge field size [MB]
kernel
conjMatMul
HalfStaple
MatMul
MatMulInter
MatMulTmp


nvidia_a100, OMP_PROC_BIND=close, OMP_PLACES=cores
n_{th} = 032
SUN = array
n_{th} = 032
SUN = internal
mem 1555 GB/s
775 GB/s
551 GB/s
BW [GB/s]
0
500
1000
1500
1
100
10000
gauge field size [MB]
hadron::escapeLatexSpecials(kernel)
Plaquette
Plaquette_Kernel
Plaquette_Notrace
Plaquette_NotraceTrace