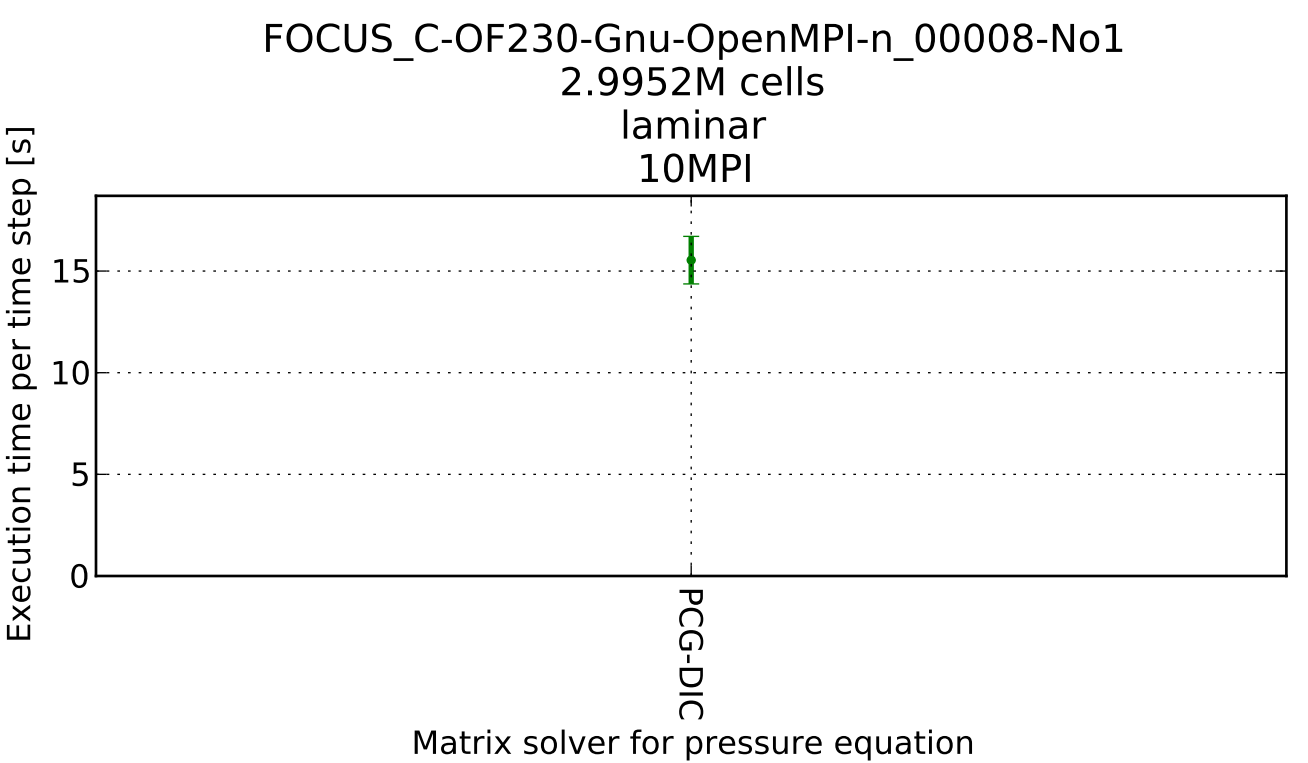
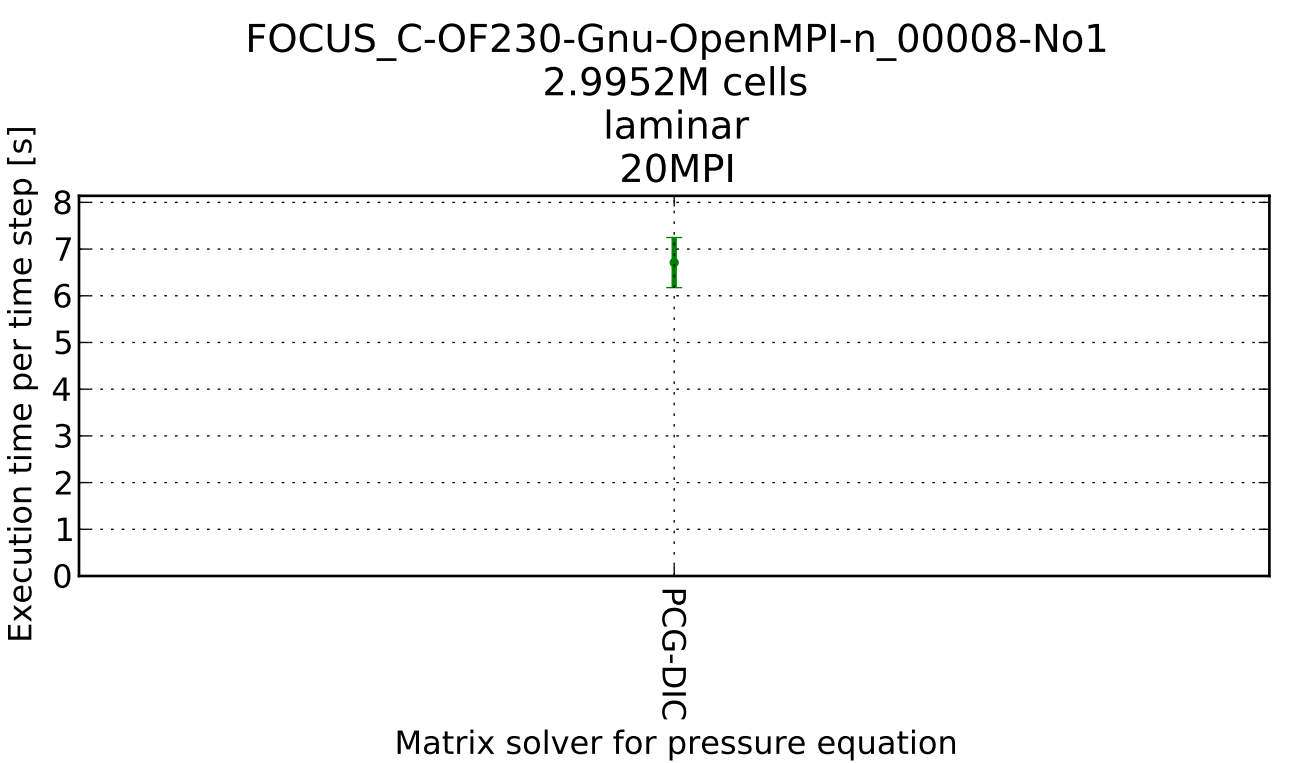
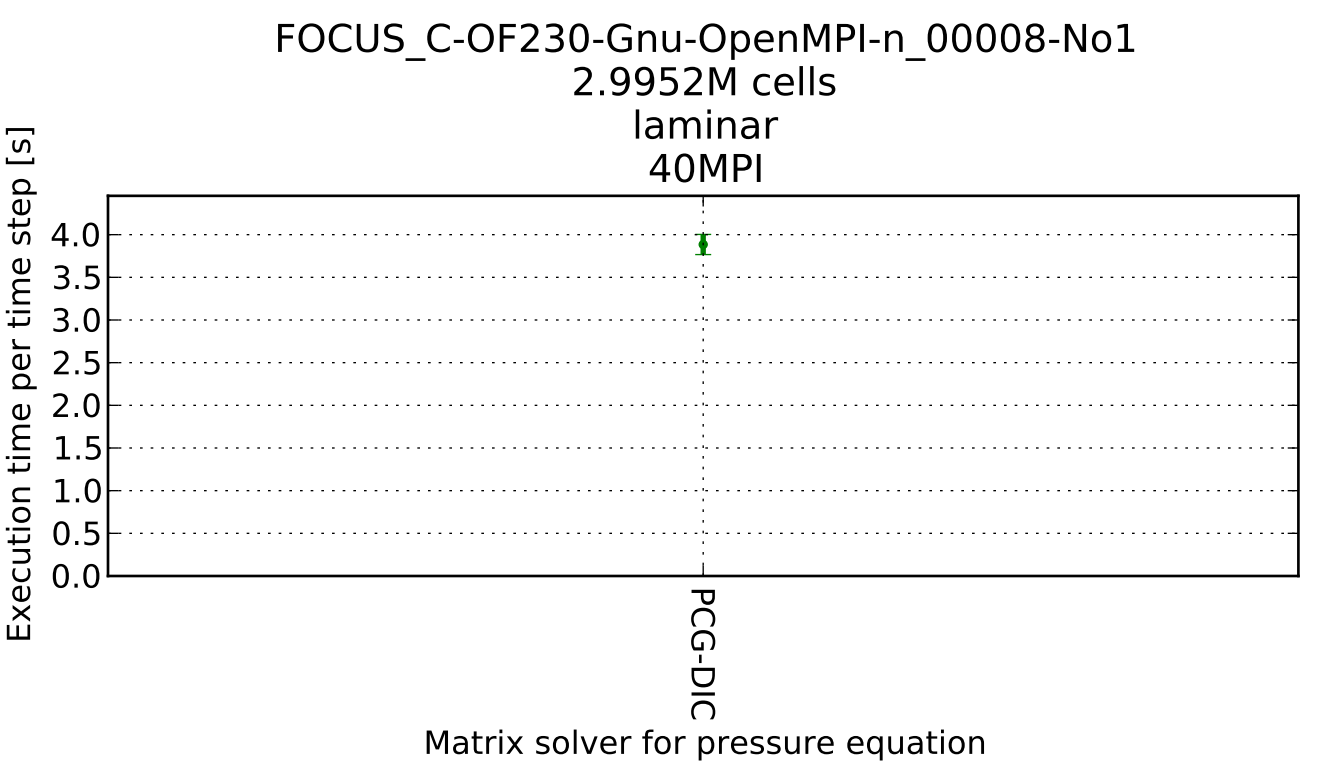
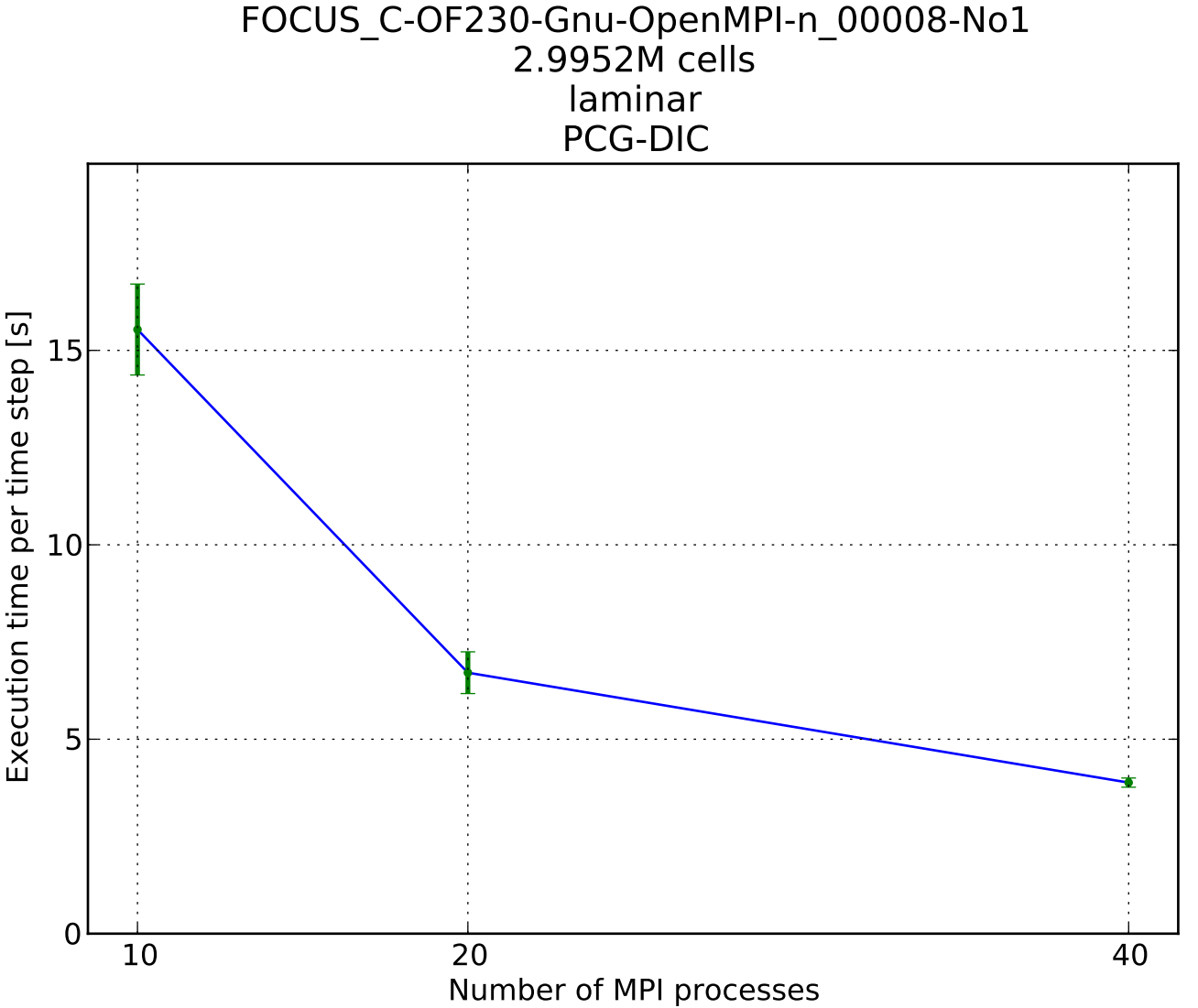
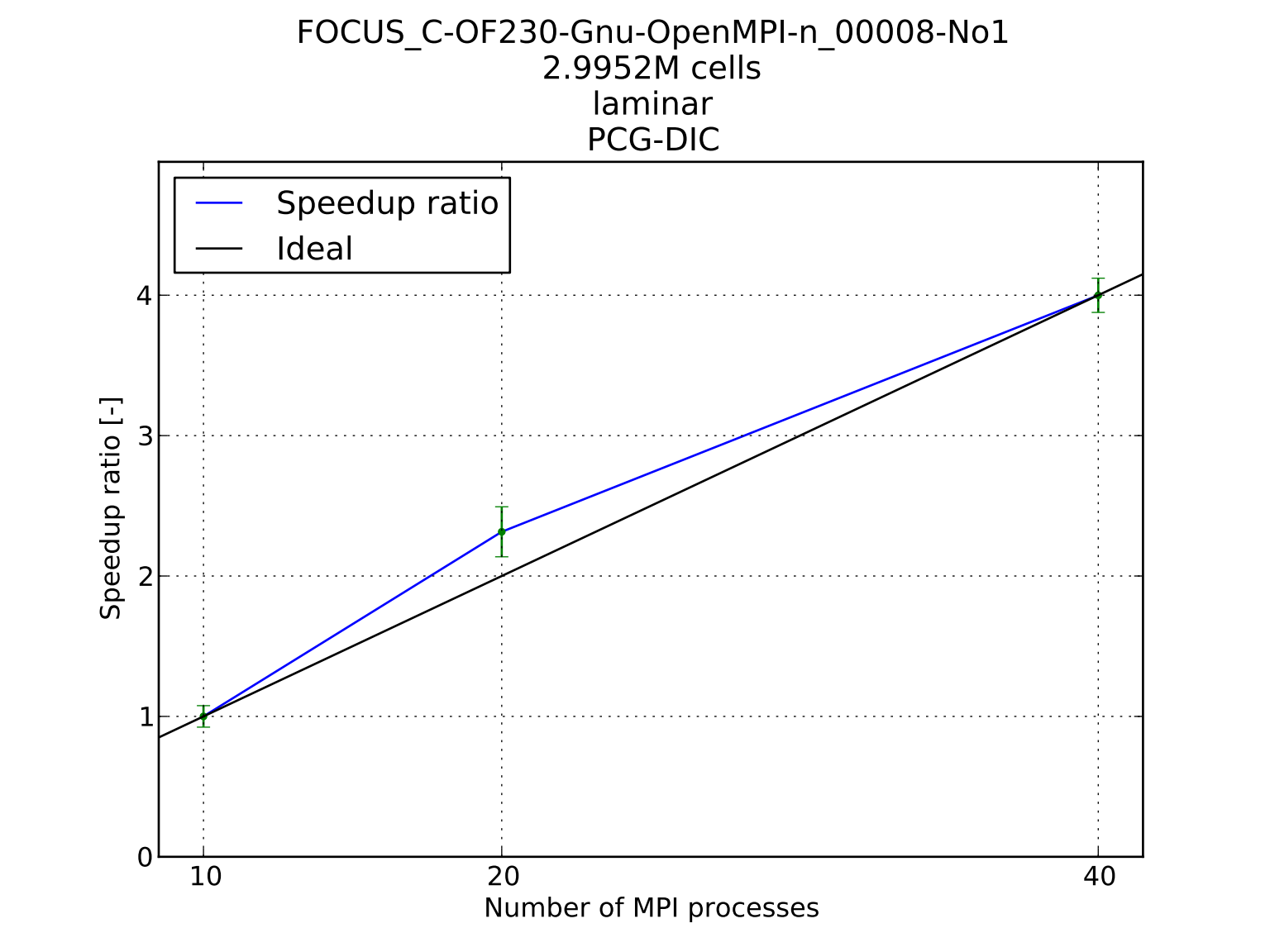
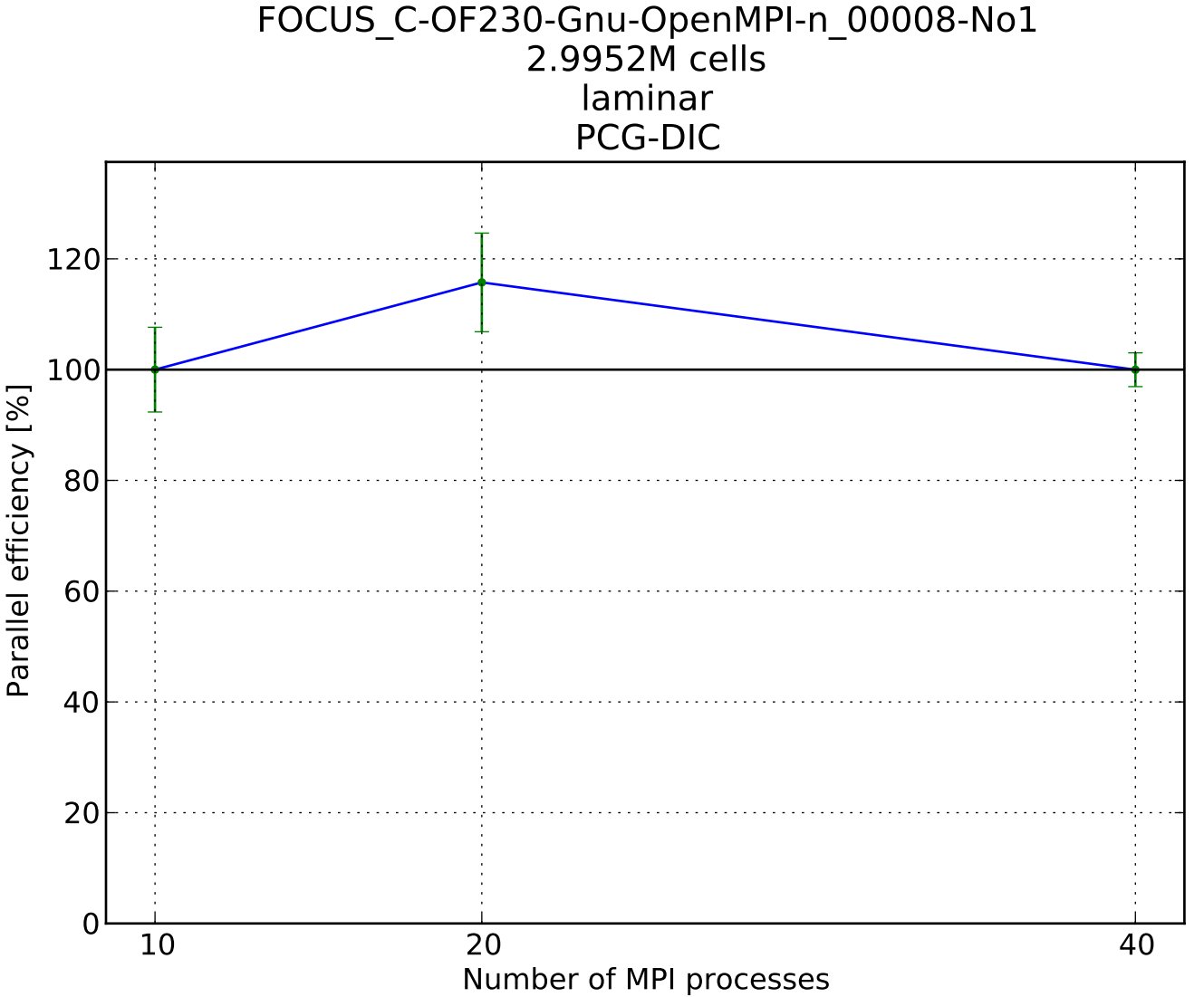

FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
10MPI
Execution time per time step [s]
0
5
10
15
PCG-DIC
Matrix solver for pressure equation


FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
20MPI
Execution time per time step [s]
0
1
2
3
4
5
6
7
8
PCG-DIC
Matrix solver for pressure equation


FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
40MPI
Execution time per time step [s]
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
PCG-DIC
Matrix solver for pressure equation


FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
PCG-DIC
Execution time per time step [s]
0
5
10
15
10
20
40
Number of MPI processes


FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
PCG-DIC
Speedup ratio
Ideal
Speedup ratio [-]
0
1
2
3
4
10
20
40
Number of MPI processes


FOCUS_C-OF230-Gnu-OpenMPI-n_00008-No1
2.9952M cells
laminar
PCG-DIC
Parallel efficiency [%]
120
100
80
60
40
20
0
10
20
40
Number of MPI processes