

Parallel Scaling Efficiency

0.9  
0.8  
0.7  
0.6  
0.5  
0.4  
0.3  
0.2

0

5

10

15

20

25

30

Number of Cores



H<sub>2</sub>/CO



GRI-Mech 3.0



USC-Mech II



IC<sub>5</sub>H<sub>11</sub>OH

0

5

10

15

20

25

30

0

5

10

15

20

25

30

Number of Cores