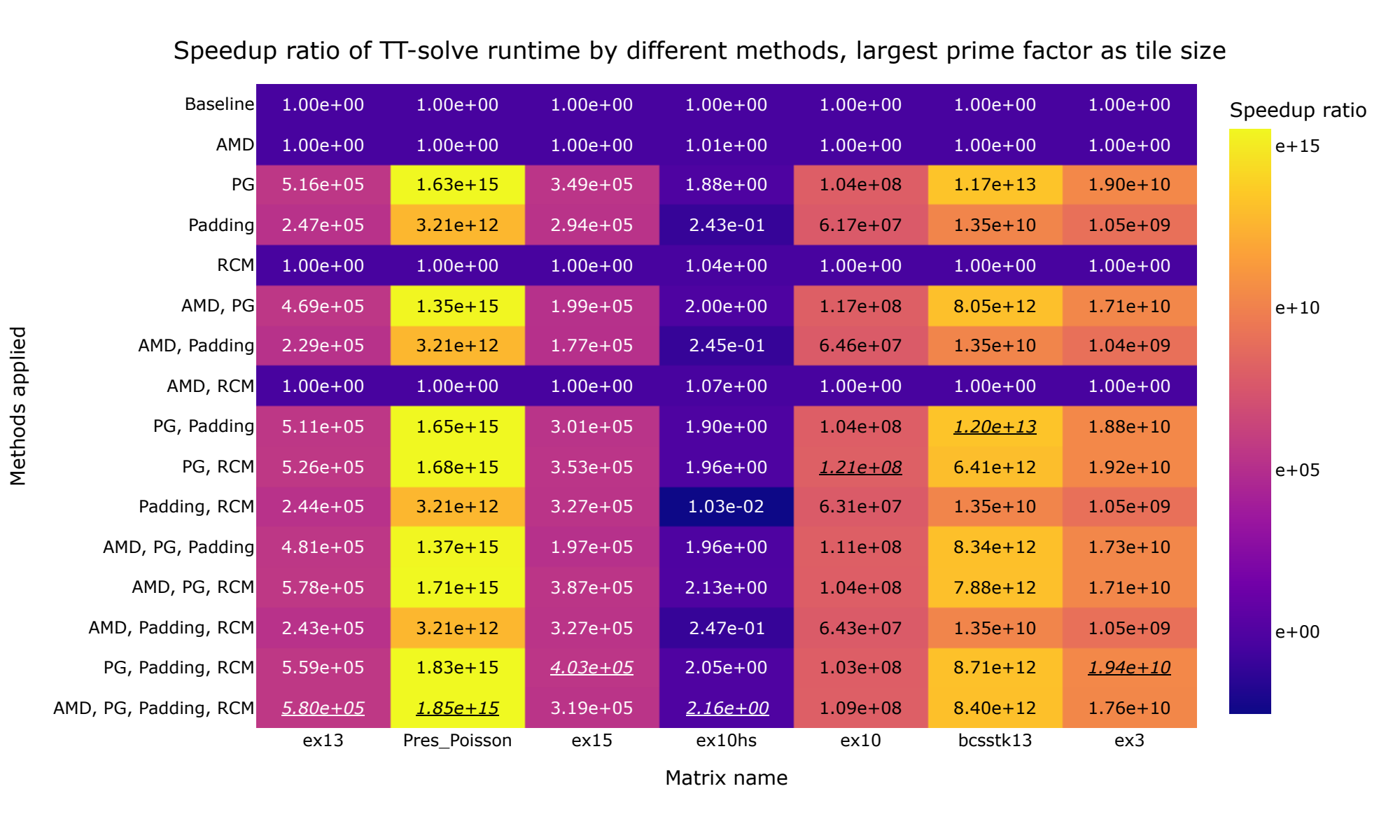
Speedup ratio of TT-solve runtime by different methods, largest prime factor as tile size
Methods applied
Baseline 1.00e+00 1.00e+00 1.00e+00 1.00e+00 1.00e+00 1.00e+00 1.00e+00
AMD 1.00e+00 1.00e+00 1.00e+00 1.01e+00 1.00e+00 1.00e+00 1.00e+00
PG 5.16e+05 1.63e+15 3.49e+05 1.88e+00 1.04e+08 1.17e+13 1.90e+10
Padding 2.47e+05 3.21e+12 2.94e+05 2.43e-01 6.17e+07 1.35e+10 1.05e+09
RCM 1.00e+00 1.00e+00 1.00e+00 1.04e+00 1.00e+00 1.00e+00 1.00e+00
AMD, PG 4.69e+05 1.35e+15 1.99e+05 2.00e+00 1.17e+08 8.05e+12 1.71e+10
AMD, Padding 2.29e+05 3.21e+12 1.77e+05 2.45e-01 6.46e+07 1.35e+10 1.04e+09
AMD, RCM 1.00e+00 1.00e+00 1.00e+00 1.07e+00 1.00e+00 1.00e+00 1.00e+00
PG, Padding 5.11e+05 1.65e+15 3.01e+05 1.90e+00 1.04e+08 1.20e+13 1.88e+10
PG, RCM 5.26e+05 1.68e+15 3.53e+05 1.96e+00 1.21e+08 6.41e+12 1.92e+10
Padding, RCM 2.44e+05 3.21e+12 3.27e+05 1.03e-02 6.31e+07 1.35e+10 1.05e+09
AMD, PG, Padding 4.81e+05 1.37e+15 1.97e+05 1.96e+00 1.11e+08 8.34e+12 1.73e+10
AMD, PG, RCM 5.78e+05 1.71e+15 3.87e+05 2.13e+00 1.04e+08 7.88e+12 1.71e+10
AMD, Padding, RCM 2.43e+05 3.21e+12 3.27e+05 2.47e-01 6.43e+07 1.35e+10 1.05e+09
PG, Padding, RCM 5.59e+05 1.83e+15 4.03e+05 2.05e+00 1.03e+08 8.71e+12 1.94e+10
AMD, PG, Padding, RCM 5.80e+05 1.85e+15 3.19e+05 2.16e+00 1.09e+08 8.40e+12 1.76e+10
ex13 Pres_Poisson ex15 ex10hs ex10 bcsstk13 ex3
Matrix name
Speedup ratio
e+15
e+10
e+05
e+00