

High-Performance Code for Nuclear Level Density

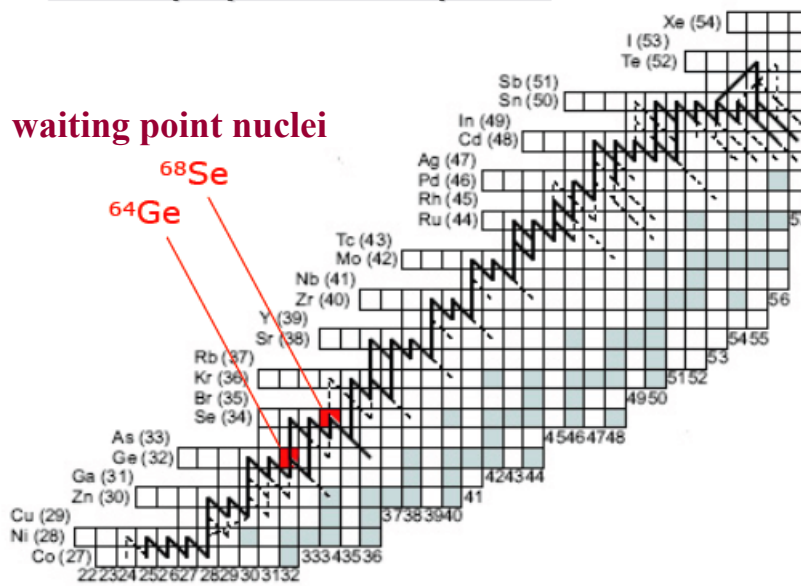
Outcome: reaction rates for nuclear astrophysics and nuclear engineering

Algorithm: Dynamical Load Balancing

Performance metric: strong scaling

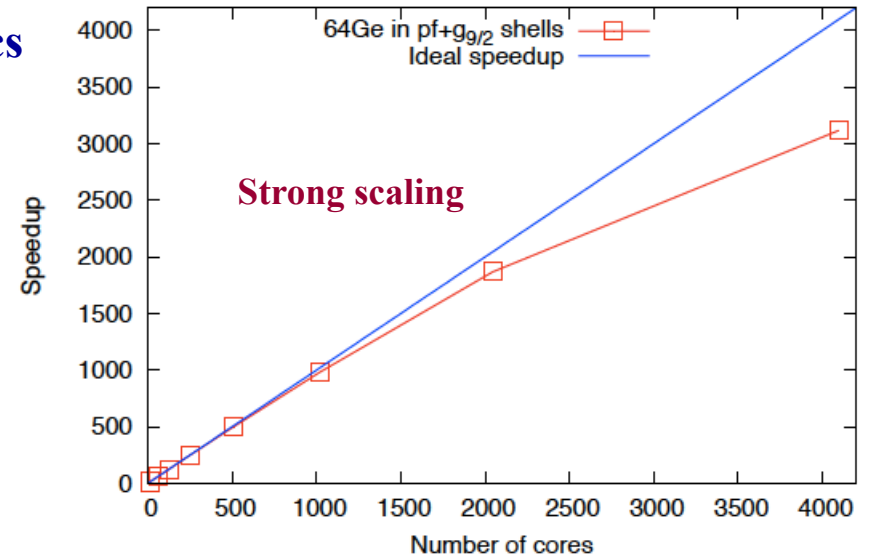
Machine: Franklin@NERSC

the rp-process path



Schatz et al. Phys. Rep 294 (1998) 167-298

Nuclear Level Density: JMOMENTS code



^{64}Ge : comparison for two model spaces

