Reference state performance according to energy and overlap, <sup>8</sup>Be  $\times 10^6$ 1.8 0.16 0.14 1.6 0.12 1.4 Total operations 0.10 - 0.08 1.0 - 0.06 0.8 -0.040.6 0.02 -16-14-12-10Ref. state energy