Time taken by 3-split approaches using qaoa with respect to n (3) iterative Kochenberger our iterative approach iterative R-QUBO  $10^{5}$ Time (in seconds)  $10^{4}$ 10<sup>2</sup>  $10^{1}$ 8 10 12 14 16 18 20 22 24 26 28 6

n