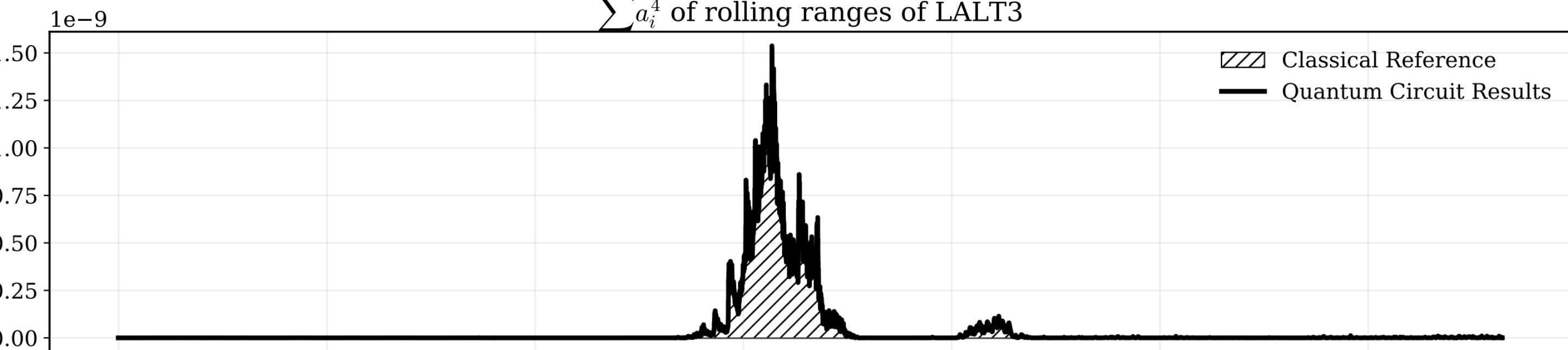$\sum a_i^4$ of rolling ranges of LALT3