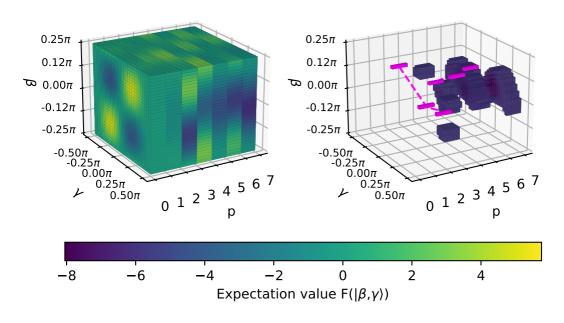
## Expectation Values for QAOA with increasing p for a 16 qubit problem instance, parameters optimized using the COBYLA method



 $\begin{array}{l} \textbf{Best}\, \pmb{\beta} \colon [\text{-0.7005324921552587}, \text{-0.1085473479813317}, \text{0.004499135116550368}, \\ \text{-0.5132039244925921}, \text{-0.02123101187571076}, \text{-0.4169793373806858}, \text{-0.2280188216315172}] \$\{ \text{bf} \} \colon [\text{0.3494254748851942}, \text{0.9681834602244839}, \text{1.0062901079994442}, \text{0.920549208541}, \\ \text{-0.9634745709230607}, \text{0.09855609135157735}, \text{-0.8614044372746207}] \end{aligned}$