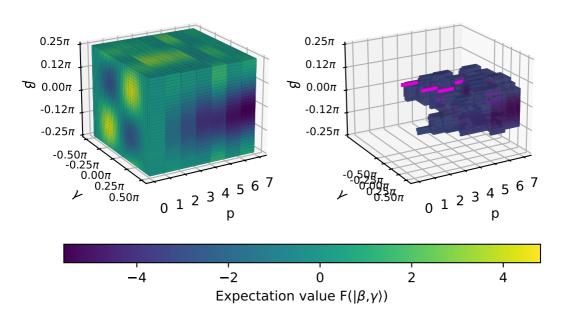
## Expectation Values for QAOA with increasing p for a 12 qubit problem instance, parameters optimized using the COBYLA method



**Best**  $\beta$ : [-0.5809426870794668, -0.4847186419456924, -0.4067400728513588, 0.0470423429414078, -0.30988984241668566, -0.09841521780844038, -0.0760062738771724] \${\b\: \gamma}}\$: [0.36457512136386006, 0.7454590550340914, 0.882740831963881, 1.749743935538 -0.6867211803429066, 1.1509731238648333, -0.25335424625724134]