- ➢ **Qiskit Aer: Pulse simulation of two qubits using a Duffing oscillator model**

- ➢ **Introduction**

- ➢ **Imports**

- ➢ **Duffing oscillator system model**

- ➢ **Calibrating ππ pulses on each qubit using Ignis**

- ➢ **Constructing the schedules**

- ➢ **Simulate the Rabi experiments**

- ➢ **Fit and plot the data**

- ➢ **Oscillations from cross-resonance drive**

- ➢ **Cross-resonance ControlChannel indices**

- ➢ **Functions to generate the experiment list, and analyze the output**

- ➢ **Drive qubit 1 to observe CR oscillations on qubit 0**