

Knowing the The Circuit Composer

- **Description.** So far in this summer camp, we have been working with the Quirk quantum circuit simulator. One limitation of Quirk is that it does not integrate easily with quantum hardware. For this reason, we will switch to IBM Composer for the remainder of this challenge. IBM Composer is a quantum circuit simulator with direct integration with the IBM Quantum Platform, which allows for the circuits to be executed on real quantum computers. The purpose of this activity is to get you acquainted with the IBM Composer interface. Your goal is to create a circuit with two quantum wires, zero conventional wires, and a swap gate applied to the pair of quantum wires.
- **Note.** To access the IBM Composer interface, you will need to log in here using an IBMid.
- **Submission.** A screenshot of your circuit and the OpenQASM 2.0 code.